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UNIVERSITY OF SCRANTON CATALOG 1942-1943

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UNIVERSITY
OF
SCRANTON

formerly

ST. THOMAS COLLEGE

CATALOG
1942 - 1943

SCRANTON, PENNSYLVANIA

"Religio, Mores, Cultura"

UNIVERSITY COLORS:
Purple and White

UNIVERSITY OF SCRANTON

Incorporated Under
The Laws of Pennsylvania

CORPORATE TITLE

"University of Scranton
Scranton
Pennsylvania"

ACCREDITED BY

Pennsylvania State Department of Education
Association of Colleges and Secondary Schools of the Middle States
Board of Regents of the University of the State of New York
American Medical Association
Pennsylvania Board of Law Examiners

MEMBER OF

Association of American Colleges
American Council on Education
Catholic Education Association
Pennsylvania Catholic Education Association
American Library Association
Liberal Arts College Movement
National Education Association
Pennsylvania State Education Association
Educational Records Bureau
Educational Conference of the Brothers of the Christian Schools
American Chemical Society
American Association for the Advancement of Science

OFFICERS OF THE UNIVERSITY

Most Reverend William J. Hafey, D.D., Bishop of Scranton
Honorary President

Reverend Brother E. Leonard, F.S.C., LL.D.
President

Reverend Brother Timothy, F.S.C., A.M.
Dean

Frank J. O'Hara, A. M.
Secretary and Registrar
Assistant to the President

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Reverend Brother E. Leonard, F.S.C., LL.D.
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UNIVERSITY CALENDAR

1942

June 9-10 ..... Scholarship Committee Meets
June 11-12 ..... Registration for Summer Semester
June 15 ..... Summer Semester Begins
July 4 ..... Independence Day
August 22 ..... Summer Semester Ends
September 9-12 ..... Freshmen Report
September 14 ..... Fall Session Begins
September 29-October 2 ..... Student Retreat
November 11 ..... Armistice Day
November 26 ..... Thanksgiving Day
December 8 ..... Feast of the Immaculate Conception
December 22 ..... Christmas Recess Begins

1943

January 4 ..... Classes Resume
January 25-29 ..... Mid-Year Examinations
February 1 ..... Second Semester Begins
February 2-5 ..... Scholarship Committee Meets
April 22 ..... Easter Recess Begins
April 27 ..... Classes Resume
May 17-21 ..... Senior Examinations
May 24-28 ..... Final Examinations
May 30 ..... Commencement

Faculty

Rev. Brother E. Andrew, F.S.C., A.M. (Pennsylvania)
Instructor in Mathematics

Austin J. App, Ph.D. (Catholic University)
Professor of English

Rev. Brother D. Augustine, F.S.C., Ph.D. (Catholic University)
Professor of Social Science

Rev. Brother Azarias, F.S.C., A.M. (La Salle)
Associate Professor of Education

Thomas H. Bainbridge
Instructor in Advertising

Edward F. Bartley, A.B. (Scranton)
Instructor in Mathematics

John M. Beaumont, M.E. (Lehigh)
Instructor in Mathematics

Umbay Burti, B.S. (St. Thomas)
Instructor in Chemistry

Frank C. Brown, A.M. (Columbia)
Instructor in History

Rev. Vincent Burke, S.T.D. (American College)
Spiritual Director

Rev. Brother Christopher, F.S.C., Ph.D. (Catholic University)
Associate Professor of Biology

Constantine P. Diaglou, LL.M., A.M. (Constantinople)
Professor of Modern Languages

Joseph T. Diskin, A.B. (St. Thomas)
Assistant Secretary and Recorder

Faculty

WILLIAM F. DOBSON, C.P.A., B.S. (New York University)
Associate Professor of Accounting

REV. WILLIAM K. DOLAN, S.T.D. (Gregorian University)
Spiritual Director

JAMES A. DRISCOLL, A.M. (Bucknell)
Professor of Education

REV. BROTHER EDWARD OF M., F.S.C., Litt.M. (Pittsburgh)
Instructor in Chemistry

JOSEPH F. ENGLISH, A.B., J.S.D. (New York University)
Instructor in Law and Social Science

TERRENCE F. GALLAGHER, A.B. (St. Thomas)
Instructor in Art

DONALD S. GATES, A.B., M.B.A. (Harvard)
Professor of Economics and Business

FELIX M. GATZ, PH.D. (Erlanger)
Professor of Aesthetics

REV. GEORGE GOECKEL, A.M. (Catholic University)
Professor of Latin

ALEXANDRE GOULET (Docteur de l'Université de Paris)
Professor of French

JOHN GROLLER, B.S. (West Chester)
Instructor in Radio

JOSEPH P. HARPER, PH.D. (Texas)
Professor of Mathematics and Physics
Instructor in Aviation

REV. BROTHER DANIEL HENRY, F.S.C., A.M. (Pennsylvania)
Instructor in English

Faculty

JOHN F. HOWLEY, A.M. (La Salle)
Instructor in History

REV. BROTHER E. JAMES, F.S.C., A.B., A.M. (Fordham)
Associate Professor of French
Vice-President

REV. BROTHER G. JOHN, F.S.C., A.M. (Catholic University)
Associate Professor of Latin
Dean of Freshmen

ROBERT JONES, A.B. (St. Thomas)
Coach of Football
Professor of Physical Education

JOHN A. KEHOE, PH.D. (Catholic University)
Associate Professor of Philosophy and Psychology

HENRY E. KELLY, A.B. (St. Thomas)
Instructor in Latin

REV. BROTHER LUKE, F.S.C., A.M. (Pennsylvania)
Associate Professor of English

M. DOROTHY LYNN, A.B. IN L.S. (Marywood)
Reference Librarian

JOHN P. MCLEAN, B.S. (Scranton)
Bursar
Instructor in Accounting

RICHARD F. MCNICHOLS, A.M. (Mt. St. Mary)
Instructor in Public Speaking

JOHN T. MALONEY, B.S. (St. Thomas)
Instructor in Chemistry

L. PAUL MILLER, A.M. (Columbia)
Instructor in Education

Faculty

JOSEPH MOYLAN, M.D. (Georgetown)
Team Physician

FRANK J. O'HARA, A.M. (La Salle)
Registrar and Secretary
Assistant to the President

LENORE PHILBIN, A.M. (Columbia)
Instructor in Speech

GORDON H. PRITHAM, PH.D. (Penn State)
Professor of Chemistry

PAUL RAFFERTY, A.M. (Catholic University)
Instructor in History

MISS CONCETTA M. RAO, B.S. in L.S. (Marywood)
Assistant Reference Librarian

J. FRANK REDDINGTON, A.B., M.D. (Georgetown)
Director of Student Health

REV. BROTHER E. STANISLAUS, F.S.C., A.M. (Catholic University)
Professor of Philosophy

REV. BROTHER F. THOMAS, F.S.C., A.B., M.S. (Pittsburgh)
Instructor in Biology
Director of Public Relations
Director of Publicity

REV. BROTHER FLORUS TIMOTHY, F.S.C., A.M. (Catholic University)
Associate Professor of History
Dean

EUGENE P. WILLGING, A.B., A.B. IN L.S. (Michigan)
Librarian

LEONARD N. WOLF, PH.D. (Pittsburgh)
Professor of Biology

Organization

THE University of Scranton was established as St. Thomas College in 1888 by Right Rev. William O'Hara, D.D., Bishop of Scranton. In 1937 the title of the College was changed from St. Thomas College to that of University of Scranton.

The Institution is under the direct supervision of its Honorary President, the Most Reverend Bishop of Scranton. It was chartered under the laws of the State of Pennsylvania and empowered to confer Bachelor's and Master's degrees in 1923.

Since September, 1897, the University has been operated and administered by the Brothers of the Christian Schools.

The aims of the University with respect to its students are:

GENERAL: The development of an integrated personality under Catholic auspices and under the best educational standards and procedures. The University concerns itself with three things: the bodily health; the mental efficiency and emotional stability; and the moral training of its students.

SPECIFIC: To furnish a liberal training in the arts and sciences.

(a) To those who will render special professional service to the schools of the area and to the community.

(b) To those who will exercise an intelligent Catholic influence whatever their occupation.

(c) To those who plan to enter Catholic theological seminaries.

To present the relationship of Catholic principles to social and economic life.

To conduct research, both educational and specialized.

University Regulations

ADMISSION BY CUMULATIVE RECORD

The information supplied by adequately maintained cumulative student records will be carefully considered in connection with any application for admission. Such records are desired whenever they are available and, in the case of specially recommended candidates, may, at the discretion of the admissions committee, be accepted in lieu of formal entrance examinations. To be considered for this purpose such records must (1) cover at least the three most recent years of the candidate's school life, (2) provide information concerning the candidate's intellectual capacity, physical and mental health, personal characteristics, habits, attitudes, interests and talents, (3) contain a complete summary of the applicant's official record of final school grades and of the results of any examinations taken under the auspices of a competent examining agency, (4) include the accurate record of the results of comparable (objective) measures of intellectual capacity and of achievement in all important subjects studied. Data obtained from all tests should be interpreted, whenever possible, in authenticated comparable terms, such as well established public school percentiles or official independent school percentiles.

The committee on admission will be glad to examine cumulative records at the end of the junior year (11th grade) of the secondary school course of any candidate who wishes an early decision with regard to the probability of his admission to the college after the completion of his preparatory work. If the record gives satisfactory evidence that the applicant has consistently maintained a high standard of achievement and possesses other required qualifications, he may be tentatively accepted for admission in the September following the completion of his secondary school course, his final acceptance to be contingent upon the presentation of a satisfactorily completed record at the end of his secondary school course.

Cumulative record forms including the essential features embodied in those published by the American Council on Education and the Educational Records Bureau are recommended.

ENTRANCE REQUIREMENTS

Students who have been graduated from any senior high school accredited by the State Department of Education of Pennsylvania or by the Association of Colleges and Secondary Schools of the Middle States will be admitted to the University provided they have been graduated in the first or second quintile of their graduating class and provided they have completed the required academic units preparatory to the curriculum in which the candidate desires to matriculate. Such students will be required to take standard PLACEMENT tests in the following:

Psychological Test
Intelligence Test
English Test
Modern Language Test
Natural Science Test
Mathematics Test
History Test

Students who have been graduated in the third or fourth quintile of their class will be required to take ENTRANCE tests in the above subjects. The admission of such students will be determined by their achievement in these examinations.

Those students who have been graduated in the last quintile of their class will not be considered for admission unless the high school principal specifically recommends that the candidate be given an opportunity to take the ENTRANCE tests. The achievement of the candidate in these entrance tests must be such as to give definite promise of success in college.

COURSES LEADING TO THE DEGREE OF BACHELOR OF ARTS

A candidate for any of the courses leading to the degree of Bachelor of Arts must have sixteen high school units as follows:

REQUIRED UNITS

English	3 units
Foreign Language	2 units
American History and Civics	1 unit
Algebra (Quadratics Included)	1 unit
Plane Geometry	1 unit

Eight additional units will be accepted in the following:

Ancient History	German	General Science
Medieval History	Spanish	Solid Geometry
Modern History	Physics	Trigonometry
French	Biology	Physiography
English	Latin	Chemistry
Advanced Algebra		Social Science

In any modern language two units are required.

COURSES LEADING TO THE DEGREE OF BACHELOR OF SCIENCE

A candidate for the course leading to the degree of Bachelor of Science must have sixteen high school units as follows:

REQUIRED UNITS

English	3 units
American History and Civics	1 unit
Algebra (Quadratics Included)	1 unit
Plane Geometry	1 unit
Science, (Physics or Chemistry, or Biology, or General Science with Lab.)	2 units
Foreign Language	2 units

Six additional units will be accepted in the following:

Ancient History	German	General Science
Medieval History	Latin	Solid Geometry
Modern History	Spanish	Trigonometry
French	Physics	Economics
English	Chemistry	Physiography
Advanced Algebra	Biology	Social Science

In any modern language two units are required.

Admission Requirements for
INTRODUCTORY ENGINEERING COURSE

A candidate for admission to the Introductory Engineering Course must have sixteen high school units as follows:

Required Units

English	3 units
American History	1 unit
Algebra	2 units
Plane Geometry	1 unit
Laboratory Science	1 unit

Eight additional units from the following:

Solid Geometry	Social Science	Physics
History	Freehand Drawing	Biology
Chemistry	Trigonometry	Mechanical Drawing

ADVANCED STANDING

The institution honors credits toward advanced standing from other colleges, provided a grade of "C" or its equivalent is presented. Students entering from other institutions shall be required to make up the prescribed subjects of study in the course which they choose to pursue. The candidate must present a letter of honorable dismissal and a certificate properly signed by the college authority showing the subjects studied, the number of semester hours given to each subject and the grade attained. In case the character of a student's resident

work in any subject is such as to create doubt as to the quality of that which preceded, the University explicitly reserves the right to revoke at any time any credit assigned on credentials and to exact examination in same.

ALTERNATIVE ADMISSIONS PLAN

The University is cooperating with the Pennsylvania State Department of Education in the adoption of the new standards for graduation from a senior high school. As the aims of this program are realized the admissions office will accept high school units of credit from the tenth, eleventh and twelfth years of high school only. A minimum of thirteen units shall be required for admission.

The entrance requirements on the thirteen unit plan will be as follows:

Bachelor of Arts Degree

English	3 units
Social Studies	2 units
Mathematics	1 unit
Foreign Language	2 units

Elective units to total thirteen will be accepted from the following: History, German, Spanish, Latin, French, Mathematics, Health, Physics, Italian, Chemistry and Biology.

Bachelor of Science Degree

English	3 units
Social Studies	2 units
Mathematics	1 unit
Foreign Language	2 units
Science	2 units

Elective units to total thirteen will be accepted from the following: History, German, Spanish, Latin, French, Mathematics, Health, Physics, Italian, Chemistry and Biology.

*Schedule of Expenses

The college year is divided into two semesters, commencing respectively on the second Monday of September and the first Monday of February. Payments for each semester are required in advance.

Schedule of Tuition and Fees

Tuition, per semester	$100.00
Laboratory fee for each science course, per semester	10.00
University fees (see Page 19)	45.00

Special Fees

Teacher Training	$25.00
Graduation	31.00
Microscope fee for science courses	5.00
Breakage deposit for each science course	5.00
Transcript of record	2.00
Certificate of Graduation	5.00
Matriculation fee (paid upon admission)	5.00
Evening and Summer Courses	6.00 per credit
Late registration fee	5.00

* *The University reserves the right at any time to change its regulations, including those concerning fees and the manner of payment*

University fees include the following:

Registration
Medical Examination
Football and basketball season tickets
Admission to all lectures
Admission to all debates
Examinations
Use of Library
Use of gymnasium
Subscription to the Aquinas
Copy of catalog
Copy of Undergraduate Manual
Mimeographed lecture notes
Budgets for the following student activities:
Band, Orchestra, Dramatics, Oratory, Football, Basketball, etc.

Activities that are purely departmental or are study clubs do not receive appropriations from the Activity Fee. Only the student activities that are general in scope are provided with budgets.

REGULATIONS REGARDING PAYMENT OF FEES

Methods of Payment

1. Fees and tuition for entire year paid in advance on or before registration date in September are subject to discount of $10.00.

2. Fees for each semester are payable in advance on or before registration dates in September and again in February. No discount allowed.

3. Fees are payable on a deferred monthly plan provided student indicates he wants to adopt this plan one week before each semester begins. An additional carrying charge of $10.00 per semester will be assessed students who adopt this plan. Students will be held strictly to the payment dates indicated in this plan. Permission to adopt this plan may be secured from the Registrar

4. Students who fail to meet financial obligations promptly may be expelled from all classes until their ac-

counts have been settled or satisfactory arrangements made. No deduction will be made for absence or withdrawal one week after the beginning of the semester. No student will be allowed to receive any Degree, Certificate or Transcript of Record, whatsoever, until his financial accounts with the University have been previously and satisfactorily settled.

5. The semester's tuition of $100.00 allows the student to carry a maximum of eighteen semester hours of credit. The student will be obliged to pay for all extra hours at the rate of $6.00 per credit hour.

6. Students who have special permission to complete the four year course in three years must pay the full four years tuition.

7. No student shall be permitted to take semester examinations until all University bills for the current semester have been paid.

8. No student shall be permitted to register at the beginning of a new semester until all bills for the preceding semester have been paid.

9. The University shall require the repayment of scholarship aid before granting a transfer to another institution.

10. Students who carry twelve or more credit hours shall be obliged to pay full tuition.

11. Students shall be required to pay extra for all night courses regardless of the number of hours they carry in the day classes.

TABLE OF ESTIMATED YEARLY EXPENSE

	Freshman Arts and Business	Fresh. Science
Tuition	$200.00	$200.00
Science fees and breakage deposit	25.00	50.00
University fees	45.00	45.00
Matriculation fee	5.00	5.00
Rental of Miscroscope	5.00	5.00
Estimated cost of books	25.00	25.00
Total	$305.00	$330.00

	Sophomore Arts and Business	Sophomore Science
Tuition	$200.00	$200.00
Science fees and breakage deposit		75.00
University fees	45.00	45.00
Estimated cost of books	25.00	25.00
Total	$270.00	$345.00

	Junior Arts and Business	Junior Science
Tuition	$200.00	$200.00
Science fees and breakage deposit		50.00
Rental of microscope		5.00
University fees	45.00	45.00
Estimated cost of books	25.00	25.00
Total	$270.00	$325.00

	Senior Arts and Business	Senior Science
Tuition	$200.00	$200.00
Science fees and breakage deposit		50.00
Rental of microscope		5.00
University fees	45.00	45.00
Graduation fee	31.00	31.00
*Teacher training fee	25.00	
Estimated cost of books	25.00	25.00
Total	$326.00	$356.00

* *This fee is entered against Education students only.*

Note: A $5.00 laboratory fee is charged each Business student during the first semester of each year.

General Regulations

DISCIPLINE

Catholic education to be complete must deal with the whole man, body and soul, intellect and will. It is the aim of the faculty and administrators of the University of Scranton not only to help the student in his efforts towards intellectual advancement, but also to do all possible to further the growth and strengthening of his character. The rules and regulations prescribed by the faculty are not meant to infringe upon the student's liberty but rather to help him control himself at all times. During the period of registration each student is presented with an Undergraduate Manual in which are contained the rules and regulations of the institution. It is expected that the student will familiarize himself with the same as soon as possible. Students will be held to the regulations contained in the Undergraduate Manual.

SCHOLASTIC REGULATIONS

1. The scholastic year 1942-1943 begins on the fourteenth of September and ends on the twenty-eighth day of May.

2. Students are permitted three absences in each course without penalty. For each absence in a term course from the fourth to the sixth, inclusive, two points will be deducted from the grade earned in the course. For each absence beyond the sixth, three points will be deducted from the grade earned in the course. No reason for absence can excuse or remove the absence from the record. Tardiness at a class exercise will constitute one-half absence.

3. Professors have the right to demand the recitation of omitted assignments.

4. Students are held responsible for information and notices posted on the bulletin boards within twenty-four hours after posting.

5. Any student who fails, in the judgment of the faculty, to improve the advantages offered him in the University is liable to dismissal, and no specific reason need be assigned.

6. No student is permitted to carry a greater number of hours than the number prescribed in his course unless he files with the Scholarship Committee the written permission of all the instructors under whom he is taking courses. The approval of the Scholarship Committee must also be secured by all students who desire to follow more than eighteen hours of credit in any one semester. An additional charge is made for all extra courses.

7. A student who wishes to complete his course of studies in less time than the prescribed four years must show an index of 2.8 at the end of the second semester of his Sophomore Year and must also rank in the highest quartile of the national rating in the annual Sophomore Testing Program.

8. Juniors or seniors found deficient in English, either oral or written, may have additional work prescribed by the faculty to correct such defect.

STANDING OF STUDENTS

1. In exceptional cases students may be exempted from the courses and credits in Religion and Physical Training, when such cases are approved by the Scholarship Committee.

2. The student will be listed as a member of the lowest class of which he has not fully satisfied the requirements.

3. If at the end of any term a student has grades of less than D in three of his courses he shall be dropped.

4. If, at the end of the term, a student wishes to change from one course to another, he may do so only with the approval of the Scholarship Committee, and he will be required to make up all the prescribed subjects of the new course which he has not already taken.

5. No group course will be given unless at least ten students apply for it. No single subject will be given as an elective unless ten students apply for it.

6. Before credit is allowed for a course followed in the Evening Session or Summer Session the student must have the written permission of the Scholarship Committee and must pass an examination approved by the Head of the Department of the course he is following.

7. Students who desire to repeat delinquent or failed courses in other institutions must secure the written permission of the Scholarship Committee.

8. Students who are carrying fifteen or more semester hours of work during the day sessions must receive special permission from the Scholarship Committee before registering for an evening session course.

9. A "unit" is defined as one hour of lecture or recitation, or two hours of laboratory work, per week for one year.

10. A "credit" is defined as one hour of lecture or recitation, or two hours of laboratory work per week for one semester.

11. If at the end of any year a student has failed to meet the quality point requirement for that year he may be dropped from the University.

Students shall be required to earn the following minimum quality points:

Freshman	20 quality points
Sophomore	50 quality points
Junior	85 quality points
Senior	128 quality points

EXAMINATIONS AND REPORTS

A bulletin, based on the written examinations, and signed by the professor in charge of the class, is sent home. From this bulletin, parents may learn what progress their sons are making and whether they devote sufficient time at home to the preparation of the class work.

The system of grading in use is based on the letters A B C D F. These letters are evaluated according to the following scale:

A—93-100—Excellent 3 quality points for each credit hour
B—85- 92—Good .....2 quality points for each credit hour
C—77- 84—Fair .....1 quality point for each credit hour
D—70- 76—Passing ....0 quality point for each credit hour
F—Below 70—Failure

The requirement for graduation is that the number of quality points total 128.

Students who receive a grade of B or more in all subjects shall be listed as honor students.

Students who receive below D must repeat the subject. Students may repeat a subject only once.

The highest grade which may be earned by repeating a course is C.

To be eligible for honors a student must carry the full program of his class. All semester hours on which a student receives a grade are counted in the determination of honors.

The degree of Bachelor of Arts or of Bachelor of Science with distinction shall be conferred under the following rules: Students who have completed a minimum of one hundred hours in the University of Scranton are eligible for general honors. Those who earn an average of at least two and one-half quality points per semester hour are recommended for a degree Magna Cum Laude. Those who earn an average of three quality points per semester hour are recommended for a degree of Summa Cum Laude.

PHI GAMMA PI HONOR SOCIETY

The object of this society is the recognition of scholarship and leadership among the students and constituents of the University of Scranton. All seniors who attain an index of 2.5 or better on the completion of seven semesters work, provided they have had no conditions and have met all requirements, shall be eligible for election. However, distinction in scholarship alone will not qualify the candidate for election to the society. He also must have demonstrated such qualities of leadership as to signify him worthy of election.

REQUIREMENTS FOR BACHELOR'S DEGREE

The standard degrees, Bachelor of Arts and Bachelor of Science are conferred, for which it is necessary to complete 128 semester hours, including a major subject of 33 hours, or of 21 hours in one subject and 12 hours in a closely related subject selected under the direction of the major professor, and certain other required courses as outlined below, with 128 quality points.

For the degrees, Bachelor of Arts and Bachelor of Science, the following credits are prescribed:

English	18 semester hours
Modern Language	12 semester hours
Mathematics	8 semester hours
Social Science	6 semester hours
Natural Science	6 semester hours
Ethics	3 semester hours
Logic	3 semester hours
Psychology	3 semester hours

As a basis of concentration and distribution of the work of the student, the courses of instruction are arranged in the following four fields:

HUMANITIES — Art, English, French, German, Greek, Italian, Latin, Music, Philosophy, Physical Education, Spanish.

SOCIAL SCIENCES—Economics, Education, History, Political Science, Sociology.

NATURAL SCIENCES — Biology, Chemistry, Mathematics, Physics, Psychology.

BUSINESS—Accounting, Business Law, Finance, Marketing, Publishing.

For students desiring intensive preliminary training in medicine, law, teaching, and other highly specialized subjects, the University offers combinations of courses which admit to the best professional schools in the country with full standing.

To illustrate this feature of the curriculum there are presented on the following pages sample outlines of study for the four years, preparatory to the profession or to specialization in Theology, Medicine, Law, Teaching, and Business Administration. The student shall in all cases consult with his adviser and the professors concerned in his choice of courses. Each outline is a sample only, presenting one among many possibilities, and is not intended to be a prescribed program.

BACHELOR OF ARTS

For the guidance of students preparing for the Priesthood the faculty of Arts suggests the following elections within those leading to the A. B. degree:

FRESHMAN YEAR

Courses		Credit Hours	Hours Per Week 1st Sem.	2nd Sem.
En. 1-2	English	6	3	3
Lat. 2	Latin	8	4	4
Math. 11A	Math. Analysis	8	4	4
Fr. 1 or 2	French	6	3	3
or				
Sp. 1-2	Spanish	6	3	3
Biol. 1A	Biology	6	4	4
Gr. 1	Greek	8	4	4
R. 1	Religion	6	3	3

SOPHOMORE YEAR

En. 3-4	English	6	3	3
Lat. 3	Latin	8	4	4
Fr. 3	French	6	3	3
or				
Sp. 3	Spanish	6	3	3
Gr. 2	Greek	8	4	4
Ph. 2-3	Philosophy	6	3	3
H. 1	History	6	3	3
R. 2	Religion	6	3	3

JUNIOR YEAR

En. 5-6	English	6	3	3
Lat. 3	Latin	8	4	4
Ph. 4-11	Philosophy	6	3	3
Gr. 3	Greek	8	4	4
Ph. 8-9	History of Phil.	6	3	3
R. 3-4	Religion	6	3	3

SENIOR YEAR

En. 8-7	English	6	3	3
Ph. 5-6	Philosophy	6	3	3
Electives		12	6	6
Ph. 10	History of Phil.	6	3	3
Ph. 7	Ethics	3	3	
R. 5	Apologetics	3		3

BACHELOR OF ARTS

For the guidance of students preparing for Law, the faculty of Arts suggests the following elections within those leading to the A. B. degree:

FRESHMAN YEAR

Courses		Credit Hours	Hours Per Week 1st Sem.	2nd Sem.
En. 1-2	English	6	3	3
Math. 11A	Math. Analysis	8	4	4
Soc. 1-3	Social Science	6	3	3
Fr. 1 or 2	French	6	3	3
or				
Sp. 1-2	Spanish	6	3	3
Lat. 2	Latin	8	4	4
Biol. 1A	Biology	6	4	4
R. 1	Religion	6	3	3

SOPHOMORE YEAR

En. 3-4	English	6	3	3
Fr. 3	French	6	3	3
or				
Sp. 3	Spanish	6	3	3
Lat. 3	Latin	8	4	4
Ph. 2-3	Philosophy	6	3	3
Electives		3		
Soc. 5	Economics	6	3	3
Hist. 2-3	History	6	3	3
R. 2	Religion	6	3	3

JUNIOR YEAR

En. 5-6	English	6	3	3
Soc. 15-18	Am. Govt. & Pol. Sci.	6	3	3
Ph. 5	Philosophy	3		3
Hist. 4-5	History	6	3	3
Psych. 1	General	3	3	
Electives		3		
Fr. 4	French	6	3	3
or				
Sp. 4	Spanish	6	3	3
or				
Lat. 4	Latin	6	3	3
R. 3-4	Religion	6	3	3

SENIOR YEAR

En. 8-7	English	6	3	3
Soc. 7-8	Social Science	6	3	3
Hist. 26-23	History	6	3	3
Ph. 7	Ethics	3	3	
Electives		6		
Soc. 10	Constitutional Law	6	3	3
R. 5	Religion	3		3

BACHELOR OF ARTS

For the guidance of students preparing for Teaching of the Social Studies and Modern Languages, the faculty of Arts suggests the following elections within those leading to the A. B. degree:

FRESHMAN YEAR

Courses		Credit Hours	Hours Per Week 1st Sem.	2nd Sem.
En. 1-2	English	6	3	3
Math. 11A	Math. Analysis	8	4	4
Fr. 1 or 2	French	6	3	3
or				
Sp. 1 or 2	Spanish	6	3	3
Lat. 2	Latin	8	4	4
Biol. 1A	Biology	6	4	4
Soc. 1-3	Social Science	6	3	3
R. 1	Religion	6	3	3

SOPHOMORE YEAR

En. 3-4	English	6	3	3
Fr. 3	French	6	3	3
or				
Sp. 3	Spanish	6	3	3
Lat. 3	Latin	8	4	4
Hist. 2-3	History	6	3	3
Ph. 2-3	Philosophy	6	3	3
Electives		3		
Soc. 5	Economics	6	3	3
R. 2	Religion	6	3	3

JUNIOR YEAR

En. 5-6	English	6	3	3
Hist. 4-5	History	6	3	3
Ph. 5	Philosophy	3		3
Ed. 1	Education	3		3
Soc. 15-18	Am. Govt. & Pol. Sci.	6	3	3
Psych. 1	General	3	3	
Mod. Lang.	Modern Language	6	3	3
R. 3-4	Religion	6	3	3

SENIOR YEAR

En. 8	English	3	3	
Ed. 2	Educ. Psychology	3	3	
Ed. 6A	Organization	3	3	
Ed. 8	Methods	3	3	
Ed. 10	Phil. of Educ.	3	3	
Ed. 5	Hist. of Educ.	3		3
Ed. 6B	Obs. and Pract.	6		6
Ed. 7	Ed. Problems	3		3
Ph. 7	Ethics	3	3	
R. 5	Apologetics	3		3

BACHELOR OF ARTS

For the guidance of students preparing for Teaching of Physical Science and Mathematics or for Law or for Medicine, the faculty of Arts suggests the following elections within those leading to the A. B. degree:

FRESHMAN YEAR

Courses		Credit Hours	Hours Per Week 1st Sem.	2nd Sem.
En. 1-2	English	6	3	3
Math. 11B	Math. Analysis	8	4	4
Fr. 1 or 2	French	6	3	3
or				
G. 1	German	6	3	3
Soc. 1-3	Social Science	6	3	3
Biol. 1	Biology	6	4	4
R. 1	Religion	6	3	3

SOPHOMORE YEAR

En. 3-4	English	6	3	3
Fr. 3	French	6	3	3
or				
G. 2	German	6	3	3
Math. 4-5	Mathematics	6	3	3
Soc. 5	Economics	6	3	3
Chem. 1-2	Chemistry	10	7	7
Hist. 2-3	History	6	3	3
R. 2	Religion	6	3	3

JUNIOR YEAR

En. 5-6	English	6	3	3
Math. 6-7	Mathematics	6	3	3
Ph. 2	Philosophy	3	3	
Psych. 2	Dynamic	3		3
P. 1	Physics	8	5	5
Chem. 7-8	Chemistry	4	6	
R. 3-4	Religion	6	3	3

SENIOR YEAR

En. 8-7	English	6	3	3
Biol. 8	Comp. Anat.	8	6	6
Chem. 3-4	Chemistry	10	7	7
Soc. 5	Economics	6	3	3
R. 5	Religion	3		3
Ph. 7	Ethics	3	3	

BACHELOR OF SCIENCE

Students who intend to study medicine should bear in mind that although the medical schools have certain minimum requirements for admission, they do not wish prospective applicants to take an overload of science subjects. The Association of American Medical Colleges has gone on record as preferring students who, in addition to a general foundation in science, have also devoted themselves to other cultural subjects with the ultimate aim of intellectual development rather than the mastering of a narrow field. Prospective medical students would do well therefore to keep this in mind and talk with the Dean and Faculty Advisors before deciding on a curriculum.

Major: Preparation for Medicine

FRESHMAN YEAR

Courses		Credit Hours	Hours Per Week 1st Sem.	2nd Sem.
En. 1-2	English	6	3	3
Math. 11B	Math. Analysis	8	4	4
Fr. 1 or 2	French	6	3	3
or				
G. 1	German	6	3	3
Biol. 1	Biology	8	6	6
Chem. 1-2	Chemistry	10	7	7
R. 1	Religion	6	3	3

SOPHOMORE YEAR

En. 3-4	English	6	3	3
Fr. 3	French	6	3	3
or				
G. 2	German	6	3	3
Chem. 7-8	Chemistry	4	6	
Biol. 8	Biology	8	6	6
P. 1	Physics	8	5	5
R. 2	Religion	6	3	3

JUNIOR YEAR

En. 5-6	English	6	3	3
Chem. 3-4	Chemistry	10	7	7
Biol. 3	Biology	8	6	6
Ph. 2	Philosophy	3	3	
Math. 4-5	Mathematics	6	3	3
Psych. 2	Dynamic	3		3
R. 3-4	Religion	6	3	3

SENIOR YEAR

Courses		Credit Hours	Hours Per Week 1st Sem.	2nd Sem.
Soc. 1-3	Social Science	6	3	3
Chem. 11	Chemistry	8	6	6
Biol. 4-5	Biology	8	6	6
P. 7 or 8	Physics	3		3
P. 4	Physics	6	3	3
or				
Chem. 9-10	Chemistry	6	5	5
R. 5	Religion	3		3
Ph. 7	Ethics	3	3	

BACHELOR OF SCIENCE

Major: Business

FRESHMAN YEAR

Courses		Credit Hours	Hours Per Week 1st Sem.	2nd Sem.
En. 1-2	English	6	3	3
Math. 10	Com. Mathematics	6	3	3
A. 1	Accounting	8	5	5
Sci.	Science	6	3	3
Soc. Sci. 12	Econ. Geography	3	3	
Hist. 11	Am. Econ. Hist.	3		3
Mod. Lang.	Modern Language	6	3	3
R. 1	Religion	6	3	3

SOPHOMORE YEAR

En. 3-4	English	6	3	3
L. 1	Business Law	6	3	3
A. 2	Accounting	8	5	5
Soc. Sci. 5	Prin. of Economics	6	3	3
Mod. Lang.	Modern Language	6	3	3
R. 2	Religion	6	3	3

JUNIOR YEAR

En. 5-6	English	6	3	3
Ph. 2	Logic	3	3	
Psych. 2	Psychology	3		3
*Electives		24		
R. 3 and 4	Religion	6	3	3

SENIOR YEAR

Ph. 7	Ethics	3	3	
*Electives		27		
R. 5	Apologetics	3		3

** Electives may be selected from the following:*

Accounting	Finance	Marketing
Cost Accounting	Money and Banking	Marketing
Auditing	Corporation Finance	Advertising
Income Tax	Investments	Traffic Management
Social Science	Statistics	Salesmanship
Statistics		Insurance

BACHELOR OF SCIENCE

There is always a great need for trained physicists in the educational and industrial fields. The foundation of such training is a thorough undergraduate curriculum of basic physical and mathematical courses. The following course of study is recommended for those who desire to major in physics:

FRESHMAN YEAR

Courses		Credit Hours	Hours Per Week 1st Sem.	2nd Sem.
En. 1-2	English	6	3	3
Math. 11B	Math. Analysis	8	4	4
Chem. 1-2	Inorg. & Qual.	10	7	7
G. 1	German	6	3	3
Art 6	Mech. Drawing	6	3	3
R. 1	Religion	6	3	3

SOPHOMORE YEAR

En. 3-4	English	6	3	3
Ph. 1	Physics	8	5	5
Math. 4-5	Calculus	6	3	3
Chem. 7-8	Chemistry	4	6	
G. 2	German	6	3	3
Ph. 9	Mechanics	3		3
R. 2	Religion	6	3	3

JUNIOR YEAR

En. 5-6	English	6	3	3
Math. 8-9	Mathematics	6	3	3
Chem. 11	Physical	8	6	6
Phil. 2	Logic	3	3	
Psych. 2	Psychology	3		3
Ph. 7-8	Physics	6	3	3
R. 3-4	Religion	6	3	3

SENIOR YEAR

Ph. 6-10	Physics	6	3	3
Math. 6-12	Mathematics	6	3	3
Ph. 4	Mod. Physics	6	3	3
Phil. 7	Ethics	3	3	
Electives		12	6	6
R. 5	Religion	3		3

INTRODUCTORY ENGINEERING

For the guidance of students preparing for a career in Engineering the following two year course of study is recommended:

FRESHMAN YEAR

Courses		Credit Hours	Hours Per Week 1st Sem.	2nd Sem.
En. 1-2	Composition	6	3	3
Eng. 1	Algebra & Trig.	4	4	
Chem. 1-2	Chemistry	10	7	7
Eng. 2	Anal. & Int. to Cal.	4		4
Eng. 3	Engineering Draw.	4	2	2
Ph. 1	Gen. Physics	8	5	5
R. 1	Religion	6	3	3

SOPHOMORE YEAR

En. 22-14	English	6	3	3
Soc. 5	Economics	6	3	3
Math. 4-5	Calculus	6	3	3
Eng. 5	Surveying	3		3
Eng. 4	Mechanics	3	3	
Eng. 6	Des. Geom.	2		2
Eng. 7	Adv. Engin. Draw.	3	3	
or				
Chem. 7-8	Quant. Anal.	4	6	
Eng. 8	Stoichiometry	2		2
Eng. 9	Adv. Physics	4		5
R. 2	Religion	6	3	3

COLLEGE COURSE FOR TEACHERS AND SUMMER COURSES

The University offers its facilities to those who wish to acquire the Bachelor of Arts or Bachelor of Science degree, but who may be unable to attend the regular day sessions. For this purpose, courses of study are conducted in the evening, on Saturdays and during the summer.

These courses will be given evenings for two semesters of sixteen weeks each. Evening courses from 6:30 to 10:30 o'clock.

The Summer School course will continue for six weeks and the lectures and laboratory work will be arranged so that credit in one semester's work may be given in the branches taken.

No student will be allowed to pursue courses in the Summer Session for the purpose of obtaining advanced standing. Students who are delinquent in any course may attend Summer Sessions and make up one semester's credit in this course. No student will be allowed to complete more than nine semester hours of credit in a Summer Session.

Teachers in service may earn a maximum of six credit hours per semester in the Evening Course.

Classes will be held in the University classrooms and thus the residence requirements will be satisfied.

The courses offered are taught by members of the University faculty. The instruction given will be the exact counterpart of the courses offered during the regular day sessions.

Students in this course are held to the same Entrance Requirements, General and Scholastic Regulations, etc., as are the regular day students, with proper modifications.

1. Transfer students from other schools must have a minimum of twelve credits in education at the University of Scranton before they will be permitted to do practice teaching under the sponsorship of the University.

2. All students who intend to do practice teaching must notify the Director of Practice Teaching at least three months prior to the practice teaching period.

ADMISSION TO TEACHER TRAINING COURSES

From the November, 1931, report of the National Education Association on Teacher Demand and Supply, it is very evident that some method of predicting teaching success is desirable to relieve the oversupply of teachers. It is also evident that no infallible system has yet been devised to say to one student, "you will be an excellent teacher," and to another, "you will undoubtedly fail." Single measures, such as intelligence tests or high school records are totally inadequate. Yet experiments have shown that a composite picture formed by putting together data on different aspects of the prospective teacher is by no means an unreliable index to probable success.

The Department of Education endeavors to get as broad and as accurate a picture as possible of all those who at the completion of their Sophomore year express a desire to teach. The following factors are considered:

1. Intelligence and Psychological test results.
2. High School record.
3. College record for two years.
4. Health record.
5. Result of teacher aptitude test.
6. Personality factors (such as social and cultural attitudes, purpose to teach, character traits, physical defects, etc.)

In a personal interview each student is made aware of his strength and weakness. Those who show a consistent negative reaction to the qualities essential to teaching are strongly discouraged from entering upon the more specialized professional training of the last two years.

The student who feels an interest in Education as a major is given an opportunity to orient himself through "Introduction to Education," a course which is a prerequisite to all other courses in Education. If at the completion of this course a student decides upon Education as his major, he must file a formal application for admission to the Department of Education as a major.

The present trend in teacher-training is towards a more thorough preparation in the fields of the subject-matter to be taught. The University of Scranton meets the demand by offering to its students a five-year course with four years devoted to the traditional Arts and Science curricula and a fifth year to be occupied by intensive professional training in Education. This course is open to students who desire to follow the fifth year.

TEACHER PLACEMENT SERVICE

Attention of students is called particularly to the fact that the Appointment Bureau of the University co-operates with the Placement Service, Teacher Bureau, of the Department of Public Instruction, Harrisburg, Pennsylvania, thus offering additional facilities for the placement of graduates of this institution.

The Teacher Placement Service has been established by the Department of Public Instruction and its purpose is to assist school officials to secure competently trained teachers and to assist teachers to secure suitable positions in fields of service for which their training best fits them.

No enrollment fee is required and no charge is made for any service rendered by the Bureau. Blank forms for the enrollment and a circular containing full particulars with regard to the work of the Bureau may be obtained by addressing Dr. Henry C. Klonower, Director, Teacher Bureau, Department of Public Instruction, Harrisburg, Pennsylvania.

Required courses in education for college certificates in Pennsylvania and neighboring states:

Pennsylvania: Education 1, 2, 6B and 6 hours of Educ. electives.

New York: Education 2, 3, 4 or 5, 10, 6B, 15.

New Jersey: Education 1, 2, 3, 6A, 6B, 3 hours of Educ. electives.

Maryland: Education 1, 2, 3, 4, 6B.

ACCOUNTING

The work in accounting is designed to meet the requirements of two specific student groups: first, students who desire accounting knowledge as a background for executive positions, or for the professions, particularly law; second, students who intend to make accounting their life's work. The basic courses, in which are embodied the fundamental theories, are identical for both groups. The advanced courses are planned to provide the prospective accountant with practical knowledge of the more involved principles and statutes.

1. ACCOUNTING—ELEMENTARY ACCOUNTING. Meaning of accounting; balance sheet and profit and loss statement; need for ledger accounts and books of original entry; nature of working papers and closing the books.

   Accounting for partnerships and corporations; accounting for manufacturing enterprises; accounting for consignments and installment sales; departmental accounting; interpretation of financial statements.

   Co-requisite: Math. 10.

   Laboratory work required as well as lectures.

   Two terms—five hours. Offered Day and Evening.

2. INTERMEDIATE ACCOUNTING. Corporation accounting. Balance Sheet form and content with emphasis on valuation. Laboratory work required.

   Two terms—five hours. Offered Day and Evening.

3. ACCOUNTING — ADVANCED GENERAL ACCOUNTING. Special considerations relating to partnership, joint venture and corporation accounting; branch accounts; mergers, consolidations, and holding companies; consolidated balance sheets and profit and loss statements; accounting for re-organizations, insolvent businesses, receiverships, estates and trusts; foreign exchange accounting; accounting for non-profit enterprises; municipal accounts.

   One term—four hours. Offered Day and Evening.

4. ACCOUNTING—COST ACCOUNTING. This course stresses recent developments in cost work, in particular the use of cost accounting in measuring and evaluating plant performance and controlling expenditures, and distribution costs.

   One term—four hours. Offered Day and Evening.

5. ACCOUNTING—AUDITING. This course gives instruction not only in auditing principles but also in auditing procedure and the application of principles. Accounting system installation is treated at some length.

One term—four hours. Offered Day only.

6. ACCOUNTING—FEDERAL TAXATION AND PROCEDURE. A course that deals with the present Federal tax system and its legal and accounting problems. The important provisions of the statute and the administrative regulations issued thereunder, together with their applications to individuals, partnership and corporate taxpayers, are given special attention. Administrative procedure, including claims for refund, will also be considered.

One term—four hours. Offered Day and Evening.

7. ANALYSIS OF FINANCIAL STATEMENTS. Significance and meaning of figures presented in the customary statements of financial and operating conditions of business concerns. Emphasis on interpretation rather than construction. Examination of particular types of statements common to: public utilities, industrials, and money corporations.

One term—three hours. Offered Evening only.

8. BUSINESS STATISTICS. An outline of the more important statistical devices used in modern business operations. Measures of central tendency, measures of dispersion, correlation techniques, index numbers, and time series analysis, are briefly presented. Special consideration is given to the proper interpretation of tables, graphs, and other forms of statistical presentations.

One term—three hours. Offered Day and Evening.

ART

1. ART APPRECIATION. A preliminary and fundamental course on the Appreciation of the Visual Arts connected with a survey of their History from Ancient Egypt to the Renaissance.

Two terms—three hours. Offered Day and Evening.

2. ART APPRECIATION. A continuation of Art Appreciation 1 devoted to a study of the History and Appreciation of the Visual Arts from the Renaissance to the present.
Two terms—three hours. Offered Day and Evening.

3. COMPARATIVE AESTHETICS. A comparative study of the Visual Arts (Architecture, Sculpture, Painting), Music, and Literature. An advanced course open to all seniors or to juniors who have completed either Art 1 and 2 or Music 1 and 2.
Readings: Carrit—The Philosophies of Beauty; Max Schoen—Art and Beauty; L. W. Flaccus—The Substance and Spirit of Art; Felix M. Gatz—The Aesthetics of Richard Wagner.
Two terms—three hours. Offered Day only.

5. ART AND LETTERING.
Principles of Drawing and Composition, Freehand Drawing, Perspective, Media, Instrument Drawing, Posters and Show Cards, Reproduction.
One term—three hours. Offered Evening only.

6. MECHANICAL DRAWING.
Use of drawing instruments, lettering, orthographic projection, perspective drawing, dimensioning, sectional representation, preparation of drawings, and tracings; general and detail drawings of machine parts.
One term—three hours. Offered Day and Evening.

7. ENGINEERING DRAWING.
Freehand lettering; use of instruments; geometrical constructions; line shading and tinting; dimensioned drawings of objects in orthographic projection; isometric, oblique, and assembly; working drawings of machine parts; plates and tracings. French's Engineering.
Two terms—three hours. Offered Day and Evening.

BIOLOGY

Courses in the Department of Biology are designed to fulfill the following objectives:

1. To further the general education of the student by presenting the more important facts and concepts needed for an understanding of the living world of which he is a part, and a better comprehension of his own physical organization.

2. To train students in reflective thinking, in sound judgment, and in the scientific method.

3. To inculcate habits of industry, honesty, initiative, exactitude in observation, and skill in laboratory techniques.

4. To integrate biology with other fields of knowledge.

5. To prepare students for more advanced work in the professions founded on the biological sciences, largely Medicine and allied vocations.

1. General Biology. This course furnishes the basic training required for further work in biology. It acquaints the student with the anatomical features, classification, and life processes of representatives of the plant and animal phyla, stresses the principles of biology as illustrated chiefly in the animal type of body, and considers problems of development, heredity, and evolution.

Two terms—two hours lecture and four hours lab. Offered Day and Evening.

1A. Educational Biology. A cultural course which stresses the role of biology in civilization and human welfare. It treats of such topics as the nature and organization of living matter, principles of development and inheritance, structure and functions of organs and organ systems with man as the chief subject matter, and plants and animals not as specialized types but in their relations with mankind.

Two terms—two hours lecture and two hours lab. Offered Day only.

1B. General Botany. Presents in systematic sequence the structure and life processes of flowering and flowerless plants.

One term—three hours. Offered Evening only.

2B. Advanced Botany. This course excludes the flowering plant and is concerned mostly with the three lower divisions of the plant kingdom.

One term—three hours. Offered Evening only.

2. Mammalian Anatomy and Physiology. A course involving a detailed consideration of the gross structure and relation of organs and systems based on the study of the cat supplemented by human material.

Particular attention is given to inter-relation of function and morphology.

Pre-requisite: Biology 1.

Two terms—one hour lecture and four hours lab. Offered Evening only.

3. HISTOLOGY AND MICROSCOPIC TECHNIQUE. A course devoted primarily to the microscopic structure and functional relation of mammalian tissues and organs, with special reference to the human body. The student is also trained in preparing material for microscopic examination, together with special methods in laboratory technique. Pre-requisite: Biology 2.

Two terms—two hours lecture and four hours lab. Offered Day only.

4. EMBRYOLOGY. A large part of the course is devoted to early embryology where gametogenesis, fertilization, cleavage, gastrulation, and the germ layers are treated from a broadly comparative and experimental standpoint. The development of form, of organs and of organ systems is then studied largely as it occurs in the frog, chick, and man.

Pre-requisite: Biology 3.

One term—two hours lecture and four hours lab. Offered Day only.

5. GENETICS. The purpose of this course is to give the student a knowledge of the basic principles and modern theories of heredity as developed by experimental, biometrical, and cytological methods. Consideration is given to the practical application of the laws governing inheritance in the fields of plant and animal breeding and human heredity.

One term—two hours lecture and four hours lab. Offered Day and Evening.

6. UNDERGRADUATE RESEARCH. Reserved for Senior students with satisfactory preparation in the biological and physical sciences who are willing to acquire methods in biological research. The subject of the problem, time, and credits are to be arranged individually.

Offered Day only.

7. INTRODUCTION TO PUBLIC HEALTH. This course is designed to give an understanding of the nature of disease and the principles of disease prevention. It considers the more common communicable diseases as to cause, mode of transmission, and methods of control and prevention. The essential facts of immunity, control of food and water supply, sewage

disposal, disinfection, and problems of public health administration are also included. Demonstrations are used to supplement the lectures.

One term—three hours. Offered Evening only.

8. COMPARATIVE ANATOMY OF THE VERTEBRATES. The course presents the gross anatomy and phylogeny of the major organ systems of the vertebrate organism together with the phylogenetic derivation and development of the vertebrates as a group. Major functions of the organ systems are presented with emphasis on the physiology of the mammalian organism. Type animals of each vertebrate class are studied in the laboratory with dissection confined to the shark, necturus, turtle, pigeon and cat.

Pre-requisite: Biology 1.

Two terms—two hours lecture and four hours lab. Offered Day only.

9. PERSONAL HYGIENE. This is essentially a non-technical presentation of the fundamentals of human anatomy and physiology as a foundation for an effective program for healthful living.

One term—three hours. Offered Evening only.

10. INTRODUCTORY BACTERIOLOGY. Presented from the biological rather than the medical standpoint, this course is a study of bacteria as micro-organisms whose life habits involve metabolic activities which have a vast economic importance. A survey of the pathogens is included together with the principles of immunology.

Pre-requisite: Chemistry 3 and 4.

One term—two hours lecture and four hours lab. Offered Day and Evening.

11. ADVANCED BACTERIOLOGY. An extension of course 10 involving a more detailed study of the principles and practices of bacteriology with emphasis upon the special cultural methods and tests employed in the growth and identification of bacterial organisms. Consideration is given to serological tests and the principles upon which they are based.

One term—two hours lecture and four hours lab. Offered Day and Evening.

13. HUMAN HEREDITY. A lecture course presenting the basic principles and laws of heredity and stressing

their practical application to the problems of human inheritance.

One term—three hours. Offered Evening only.

14. BIOLOGY SEMINAR. A course based on recent advances in all fields of biological research and the discussion of basic problems of biology in the light of modern research results. The seminar method is used with each student contributing one or more papers for class discussion.

Pre-requisite: 24 credits in Biology.

One term—one credit. Day school only.

BUSINESS LAW

The purpose in teaching Business Law is to give to the student a knowledge of the fundamental principles of jurisprudence applicable to the rights and duties of those engaged in commerce, trade or mercantile pursuits, keeping in mind its disciplinary value as a trainer of the intellect and its cultural value as an indicator of the social and economic development of civilization.

1. BUSINESS LAW. The Law of Contracts. Personal and Real Property. Bailments. Crimes that concern the Business Man. Bills and notes. Negotiable Instruments.

Two terms—three hours. Offered Day and Evening.

2. BUSINESS LAW. Sales and Mortgages of Personal Property. Agency. Partnership. Corporations.

Two terms—three hours. Offered Day and Evening.

3. PUBLISHING AND THE LAW. Non-professional study of constitutional guaranties of freedom of press; libel in news, editorials, and photographs; rights of privacy; contempt of court; copyright; fair comment and criticism; advertising; mail privileges; and the business of publishing. *Open to seniors and graduate students.*

One term—three hours. Offered Day and Evening.

CHEMISTRY

The aims of the department are:

1. To train students to think accurately and logically, to develop an analytical type of mind, and to inculcate the scientific method of attacking a problem, not only in chemistry but in other fields of endeavor.

2. To develop character traits such as patience, pertinacity, absolute honesty and neatness, which are indispensable to the scientist.

3. To train the student for a position carrying some degree of responsibility, either as an advanced student in a graduate school or as a member of the staff of an institution, educational, industrial or one devoted to research.

1 and 2. GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS. This course is designed to present the basic principles of chemical theory together with a systematized survey of the elements and their more important compounds. The theory of solutions and its application to qualitative analysis are integral parts of the course. The laboratory work follows in a general way the topics discussed in lectures and recitations, the second semester being devoted almost entirely to qualitative analysis, in which the semi-micro technic is used.

Two terms—seven hours. Offered Day and Evening.

3 and 4. ORGANIC CHEMISTRY. A course designed to acquaint the student with the fundamental types of carbon compounds, their methods of preparation, and their important properties. Emphasis is placed on the importance of Organic Chemistry as a fundamental branch of science from a practical as well as from a theoretical standpoint.

Two terms—seven hours. Offered Day and Evening.

5 and 6. QUALITATIVE ANALYSIS. A course designed primarily to teach the student the more important fundamental principles of analytical chemistry, especially with respect to the separation and identification of the more common metals and nonmetals. The student is expected to analyze several unknown mixtures and single salts.

Pre-requisite: General Chemistry.

One term—six hours. Offered only by request.

7 and 8. QUANTITATIVE ANALYSIS. This course is in reality a continuation of Chem. 1 and 2 and presupposes a knowledge of the fundamental principles therein discussed. The emphasis is on technic, the student determining the percentage composition of a variety of unknown salts and alloys.

Pre-requisite: Chem. 1 and 2.

One term—six hours. Offered Day and Evening.

9 and 10. PHYSIOLOGICAL CHEMISTRY. A course designed to acquaint the student with the nature and important reactions of the three great classes of foodstuffs: carbohydrates, fats, and proteins; their digestion, absorption and metabolism in the body, together with the determination of the important constituents of the various body fluids. In the second semester special emphasis is placed on the technic and clinical significance of blood and urine analysis.

Pre-requisite: Chem. 1 to 8, inclusive.

Two terms—five hours. Offered Day only.

11. PHYSICAL CHEMISTRY. A study of the energy relationships and equilibria in chemical reactions. The fundamental principles governing chemical reactions are discussed in the light of the various theories and experiments that have been proposed in an effort to explain why and how these reactions proceed.

Pre-requisite: Chem. 1 to 8, inclusive, and Math 5.

Two terms—three hours lecture and three hours lab. Offered Day only.

12 and 13. QUALITATIVE ORGANIC ANALYSIS. The systematic classification and identification of organic compounds from the standpoint of their solubilities and group reactions. After a preliminary study of important principles and technics, the student is given several unknown compounds and mixtures to separate and identify.

One term—one hour conference and six hours lab. Offered Day only.

14. ADVANCED BIOCHEMISTRY. A continuation of Chemistry 9 and 10. Special methods of blood and urine analysis are used, and studies in nutrition may be made.

One term—variable credit. Offered Day only.

15. ADVANCED ANALYTICAL METHODS. An elective course intended for those who wish to major in chemistry. The course consists of lectures, conferences and laboratory study of analytical procedures, both qualitative and quantitative, not included in the more elementary course.

One term—variable credit. Offered Day only.

EDUCATION

The Department of Education proposes to assist students in determining their suitability as teachers; to develop high ideals of the teaching profession along with the vocational knowledges, skills and attitudes necessary for successful entry; to qualify students for state certification on the secondary level; and to meet the requests for courses by teachers in service in the Scranton area.

1. INTRODUCTION TO EDUCATION. An introductory study of Education for the purpose of giving the student a general survey or perspective view of the field of Education as a preparation for the later more detailed studies necessary in his professional training. This course acquaints the student with some of the larger problems to be solved, the various fields of service open to him as a professional worker and the attendant requirements and responsibilities of each.

   This course is a prerequisite to all other courses in Education.

   One term—three hours. Offered Day and Evening.

2. EDUCATIONAL PSYCHOLOGY. An introductory course dealing with the applications of Psychology to the teacher's task. In studying the individual in relation to the problems of Education, the following are some of the topics considered: original nature, habit foundation, nature of intelligence, nature of the learning process, types of learning, interest, attention, transfer of training, and individual differences.

   One term—three hours. Offered Day and Evening.

3. GENERAL METHODS OF INSTRUCTION. A professional course in the methods of teaching. This course gives the student an understanding and appreciation of the fundamental principles upon which good teaching is founded. Many methods are discussed and evaluated.

   One term—three hours. Offered Day and Evening.

4. HISTORY OF EDUCATION, ANCIENT, MEDIEVAL. Includes a study of the educational writings of Plato, Aristotle, Quintilian and many others. General course covering Primitive, Oriental, Hebrew, Greek, Roman, Early Christian, Medieval and early modern Education to the French Revolution. An

analysis of early educational theories and practices in order to give the student a better understanding of modern educational thought.

One term—three hours. Offered Day and Evening.

5. HISTORY OF EDUCATION—MODERN. History of the modern development of Education since the time of the French Revolution. A discussion of the leading men and tendencies in modern Education, including contemporary educational systems: Rousseau, Pestalozzi, Herbart, Froebel, Dewey, Spencer, Sheldon, Madame Montessori. The national educational systems in the United States, England, France, Germany, Italy and Russia.

One term—three hours. Offered Day and Evening.

6A. SELECTION AND ORGANIZATION OF SUBJECT MATTER ON THE HIGH SCHOOL LEVEL.

This course includes a review of the subject matter field with selection suitable to the high school level, an analysis of high school text books, and the laying of a plan for a teacher to keep up to date in his subject matter. This course is conducted co-operatively between the subject matter departments and the department of Education.

One term—three hours. Offered Day only.

6B. OBSERVATION AND PRACTICE TEACHING. This course consists of observation and study of classroom teaching and of actual student teaching under expert supervision. Attention is given to the organization and presentation of subject matter, to program handling, class discipline, making reports and other school activities. Conferences are held with the Supervisor of Teacher Training and the Instructor under whom each student does practice teaching.

Pre-requisites: Ed. 1 and 2 plus six additional credits hours in Education including Ed. 6A or its equivalent.

One term—six hours. Offered Day only.

7. PROBLEMS OF SECONDARY EDUCATION. A study of the practical problems of the high school from the standpoint of the teacher. The aims of the high school and how they are achieved through the program of studies and through the general socializing

program. Analysis of the various phases of the teacher's work in the classroom, in school routine, in supervision and in guidance. Professional and social relationships in school and community.

One term—three hours. Offered Day and Evening.

8. TEACHING OF HIGH SCHOOL SUBJECTS. A course primarily for students who desire to familarize themselves with the developments in teaching methods corresponding to the advanced in social theory and in educational psychology. This course is designed to apply the psychology of learning to the various high school subjects. Special techniques desirable for use in teaching each of the subjects will be discussed.

One term—three hours. Offered Day and Evening.

9. SCHOOL ADMINISTRATION AND SUPERVISION. A discussion of the problems involved in State, County and City school administration and supervision. State and National participation, both as to support and control are included. The following topics are among those studied: organization, finance, budgets, pupil accounting, health, building programs, teacher selection, salaries and tenure, school law, school survey and supervision of instruction.

One term—three hours. Offered Evening only.

10. PHILOSOPHY OF EDUCATION. A study of the fundamental concepts and ultimate objectives of education in a democracy. Present day principles and practices of educational theory. Some of the problems to be considered are: philosophy of life, the nature of the individual, democracy and education, private vs. public education, the curricula, principles of method and moral education.

One term—three hours. Offered Day and Evening.

11. EDUCATIONAL TESTS AND MEASUREMENTS. This course is designed to acquaint the student with intelligence and achievement tests and to give him a working knowledge of various standard tests and scales available for classroom use. It considers administration, scoring, tabulation and interpretation of results and the use of tests for diagnosis. Basic principles in the construction of the new

type tests, emphasizing their reliability, validity, discrimination and objectivity.

One term—three hours. Offered Evening only.

13. TECHNIQUES OF VISUAL AND OTHER SENSORY AIDS. The State course of study is followed. All types of materials and pictures that can be used in teaching are studied. Picture projection is studied as a regular classroom procedure, and objective tests are constructed, based on educational films. Other visual aids stressed include, school journeys, objects-specimens-models, charts, graphs, diagrams, and maps.

Budget basis, and administration of visual-sensory materials, are considered.

One term—three hours. Offered Evening only.

15. TEACHING OF ENGLISH. General Problems and Objectives. Articulation of Elementary School English with Secondary School English.

One term—three hours. Offered Evening only.

16. EDUCATIONAL AND VOCATIONAL GUIDANCE. This course proposes to give teachers and administrators a concept of guidance which will enable them to see the relation of student direction to education as a whole.

One term—three hours. Offered Evening only.

17. PUBLIC SCHOOL FINANCE AND PERSONNEL MANAGEMENT. This course is primarily intended for superintendents of schools, school business officials, secretaries of school boards, principals of primary and secondary schools, teachers, and others in training for executive positions.

One term—three hours. Not to be offered 1942-1943.

18. TEACHING OF OCCUPATIONS. This course is designed particularly to meet the needs of Guidance counselors, teachers of Guidance, teachers of Occupations, teachers of Vocational Civics, home-room teachers in secondary schools who carry on group-guidance activities, and teachers who give vocational guidance through school subjects. It aims to develop the techniques for the presentation of occupational and educational information.

One term—three hours. Offered Evening only.

19. PROBLEMS IN JUNIOR AND SENIOR HIGH SCHOOL. A study of the peculiar functions of the junior and the senior high school in relation to the modern educational ladder and the problems involved in teaching on this level. As the course proceeds each student will interpret the problems considered in terms of his major subject and block out the significant aspects of a semester's teaching plan.
One term—three hours. Offered Day and Evening.

20. TEACHING OF THE SCIENCES. A course dealing with the selection and development of appropriate materials and methods for teaching the sciences on the high school level.
One term—three hours. Offered Evening only.

21. TEACHING OF THE SOCIAL STUDIES. A course dealing with the selection and development of appropriate materials and methods for teaching the Social Studies on the high school level.
One term—three hours. Offered Evening only.

22. TEACHING OF THE FOREIGN LANGUAGES. A course dealing with the selection and development of appropriate materials and methods for teaching the Foreign Languages on the high school level.
One term—three hours. Offered Evening only.

23. METHODS OF SUPERVISING EXTRA-CURRICULAR ACTIVITIES. Definite procedures are considered, by means of which the teacher organizes and directs student activities outside of classes, so that these activities motivate regular school work.
One term—three hours. Offered Evening only.

24. TEACHING OF MATHEMATICS. A course dealing with the selection and development of appropriate materials and methods for teaching mathematics on the high school level.
One term—three hours. Offered Evening only.

26. RADIO IN THE CLASSROOM. Designed primarily for the classroom teacher. Course will include an analysis of school broadcasts, school sound systems and other educational radio material such as script writing, sound effects and radio production. Suggestions as to content, method and use of supplementary aids. Problems of equipment, research,

propaganda, etc. Emphasis on the curricular and extra-curricular place of radio in the modern classroom. Visit to WGBI broadcasting studios and guest speakers.

One term—three hours. Offered Evening only.

27. INTELLIGENCE TESTING. A course devoted primarily to instruction and practice in the use of the Stanford Binet Intelligence Test. This is an individual test of Intelligence, and its administration requires a trained test administrator. The course is designed to give this training. The history of mental testing will be reviewed briefly. Sufficient material on the theory of intelligence testing will be given to furnish the student with an understanding of the nature of the test.

One term—three hours. Offered Evening only.

28. GUIDANCE TECHNIQUES. For counselors, personnel workers, school administrators and classroom teachers. Attention will be given to the application of guidance techniques in the classroom as well as their application by specialized workers in the field. Case studies, the interview, rating scales, cumulative records, anecdotal records, observation and the case conference will be studied. The theory of individual diagnosis will be considered. Lectures, demonstrations, case histories and readings.

One term—three hours. Offered Evening only.

29. VOCATIONAL TESTING. For counselors, personnel workers in business and employment offices, school administrators, and clinical psychologists. Tests developed for vocational guidance and selection will be studied: tests of aptitude, personality traits, interests and trade abilities. Problems of administration and interpretation will be considered. Lectures, demonstrations and readings.

One term—three hours. Offered Evening only.

30. EDUCATIONAL STATISTICS. A course in elementary statistical techniques used in education and psychology. Special attention will be devoted to the statistical problems involved in the use and interpretation of mental tests.

One term—three hours. Offered Day and Evening.

ENGINEERING

1. ALGEBRA AND TRIGNOMETRY. An intensified course in these subjects which covers the topics of simultaneous equations, quadratic and higher order equations, complex quantities, exponents, logarithms, trigonometric functions, solutions of triangles; trigonometric laws, identities and equations; and inverse functions.

   One term—four hours. Offered Day only.

2. ANALYTIC GEOMETRY AND INTRODUCTION TO THE CALCULUS. This course covers the subject of Analytic Geometry and leads into Calculus. The subject matter includes loci, straight lines, circles, ellipses, and other conics, the process of limits and differentiation, slopes maxima and minima of curves, the principle of integration and some applications.

   One term—four hours. Offered Day only.

3. ELEMENTS OF MECHANICAL DRAWING. Use of drawing instruments, lettering, orthographic projections, reading of blue prints, intersections and developments, freehand drawing, tracings and detail drawing of machine parts. Freehand sketching from models of simple machine parts, complete working drawings of machine parts, dimensioned drawings of objects in orthographic projections, isometric, oblique and assembly plates, tracings and blue printing.

   Two terms—two hours. Offered Day only.

4. ELEMENTARY ENGINEERING MECHANICS. Includes the theory of statics of particles and rigid bodies and applications to determination of forces in various structures, kinematics of particles and rigid bodies, friction, energy, work and power of various mechanisms and machines.

   One term—three hours. Offered Day only.

5. PLANE SURVEYING. The theory of surveying and the use of surveying instruments in leveling, simple triangulation, measurement of areas, topography and maps.

   One term—three hours. Offered Day only.

6. DESCRIPTIVE GEOMETRY. The geometric methods of projection of lines, planes and solids, and the application of these methods to problems of structures.
One term—two hours. Offered Day only.

7. ADVANCED ENGINEERING DRAWING. Machine design as applied to common machine elements. Advanced work in detail and assembly of working drawings.
One term—three hours. Offered Day only.

8. STOICHIOMETRY. A problem course dealing with the calculations of material and heat quantities in chemical reactions.
One term—two hours. Offered Day only.

9. ENGINEERING PHYSICS. A more advanced course than elementary physics which covers the subjects of Mechanics, Heat, and Electromagnetics, and in which the mathematical methods of calculus are employed freely.
4 hours credit—3 hours lecture and 2 hours of laboratory work per week.
One term—five hours. Offered Day only.

ENGLISH

The aim of the Department of English is the development in the students of character, culture, and power. It aims to train them to read, speak, and write English as effectively as possible, to know those literary types, names, and movements which are presumed to have cultural value, and to feel those ideals and attitudes permeating literature which make for a civilized country and a humane and social-minded individual.

0. ESSENTIALS OF WRITTEN ENGLISH. A course in fundamentals required of those freshmen whose knowledge of the essentials of English is found to be insufficient. Not a substitute for English Composition I. No credit allowed.
One term—three hours. Offered Day only.

1. ENGLISH COMPOSITION. The object of this course is a thorough mastery of the fundamentals of writing: spelling, punctuation, diction, grammar, sentence structure. Frequent themes are required.
Required of all freshmen.
One term—three hours. Offered Day and Evening.

2. ENGLISH COMPOSITION. Study and practice of the principles of English Composition. Exposition, description and narration are studied in detail. The reading and study of a modern novel is an important part of the work of this course. Weekly themes are required.

   Required of all freshmen.

   One term—three hours. Offered Day and Evening.

3. AMERICAN LITERATURE. A survey and critical study of the literature of America, supplemented with the biographies of American authors and the understanding of the periods into which the writings are generally grouped. Emphasis is placed upon the literature itself and frequent reports.

   One term—three hours. Offered Day and Evening.

4. SURVEY OF ENGLISH LITERATURE from the beginning to the end of the 18th Century.

   The course will center around the greater English poets and prose writers. Wide reading of specimens representative of the main types and periods is required. In this course no attempt is made to study the development of the drama or novel.

   Required of all sophomores.

   One term—three hours. Offered Day and Evening.

5. A SURVEY OF ENGLISH LITERATURE in the 19th and 20th Centuries. A continuation of English 4. Emphasis will be placed on the major figures. Wide collateral reading is demanded.

   Required of all juniors.

   One term—three hours. Offered Day and Evening.

6. INTRODUCTION TO THE DRAMA. This course is designed as a general survey of the English drama from its beginnings to the present day. Representative specimens are read and studied in detail. The main emphasis of course is on the English drama, but significant foreign influences are also considered. Lectures, reports and recitations. Open only to juniors and seniors.

   One term—three hours. Offered Day and Evening.

7. THE HISTORY OF THE ENGLISH NOVEL. The development of the novel as a literary form is considered from its beginnings to the present. Representative

novels are read and discussed. Wide collateral reading is expected. Lectures, recitations and reports. Open to juniors and seniors.

One term—three hours. Offered Day and Evening.

8. SHAKESPEARE AND THE ELIZABETHAN DRAMA. Shakespeare is the center of study for the semester. All the plays are read rapidly; some are studied in great detail. Lectures on the development of the drama to the time of Shakespeare as well as on its history down to the beginning of the Commonwealth. Wide collateral reading in the minor Elizabethan dramatists is required.

Open to students who have completed English 3 or its equivalent.

Shakespeare (alternate course—1 semester).

Intensive study of ten of Shakespeare's plays.

One term—three hours. Offered Day and Evening.

9. SEVENTEENTH CENTURY LITERATURE. Milton is the center of study. All the poems are read as well as representative selections from the prose works. Lectures on the more significant predecessors of Milton, especially Bacon and the metaphysical poets. This course does not attempt to study the literature of the Restoration period. Open to juniors and seniors.

One term—three hours. Offered Day and Evening.

10. NINETEENTH CENTURY PROSE. A study of the main currents of English prose literature (non-fiction) in the 19th century from Coleridge to Stevenson. Lectures and readings. Open to juniors and seniors.

One term—three hours. Not to be offered 1942-1943.

11. NINETEENTH CENTURY POETRY. A study of the poetry of the 19th century from Wordsworth to Swinburne. Lectures and reading.

One term—three hours. Not to be offered 1942-1943.

12. HISTORY OF THE ESSAY. The history of the essay in English with special emphasis on the periodical essayists of the 18th century and significant 19th century figures such as Lamb, Hazlitt, Hunt, De-Quincey, et cetera.

One term—three hours. Offered Day and Evening.

13. READING COURSE. Open to approved students. Special readings will be assigned according to the ability of the student. This work will center around some particular period or individual. Credit will depend on the amount of work done and on its quality as revealed by an examination. Reading courses are open only to serious students who wish to further their knowledge of English literature by more intensive reading than is possible in connection with the usual class work; they may be arranged at any time and may continue indefinitely; the summer vacation provides excellent opportunity for such work.
Credit: One to three hours. Offered Day only.

14. PUBLIC SPEAKING. The preparation of brief talks on pertinent topics with attention to voice production and manner of delivery.
Two terms—three hours. Offered Day and Evening.

15. BUSINESS LETTERS AND CORRESPONDENCE. This course covers practically the entire field of business correspondence. The principles of modern business letter writing are explained, illustrated and applied to the various types of letters used in commercial houses. Abundant opportunity is given the student for practice in the art of business letter writing. Wherever possible, the letter problems are based upon material gathered from the files of progressive business concerns.
One term—three hours. Offered Evening only.

16. JOURNALISM. A survey of the theory and practice of journalism. Includes lectures by professional journalists, followed by open forums. Field work with cooperating reporters on local papers. Various kinds of journalistic writing treated, news, stories, rewrites, special editorials, newspaper terminology.
One term—three hours. Offered Evening only.

17. THE ENGLISH LANGUAGE PAST AND PRESENT. The general principles of language, the relation of English to other languages, its development, and its present-day usages, including pronunciation, spelling, grammatical practice, word-coining, shift of meanings. The course is intended to develop a

greater command of the language by adding the "why" to the "what," the understanding to the memory.

One term—three hours. Offered Evening only.

18. RADIO TECHNIQUE. Radio as Expression, Voice Training for Radio with Exercises, Writing and Radio.
One term—three hours. Offered Day and Evening.

19. DRAMATIC TECHNIQUE. The theory and practice of play writing. The laboratory method applied to the writing of various types of plays.
One term—three hours. Offered Evening only.

20. CHORAL SPEECH. Practice in the recitation of Poetry and Prose, in unison and in solo. Special training in interpretation of verse and prose. A study of suitable material for use in Choral Speech in Primary, Intermediate, Secondary, and College groups. Practice in orchestration of material for use in the Speech Choir. Experience in directing the Choir, at least once before the conclusion of the course.
One term—two hours. Not to be offered 1942-1943.

21. CONTEMPORARY POETRY. The chief modern British and American poets; trends and techniques of modern verse; the writing of some verse.
One term—three hours. Offered Day and Evening.

22. SPEECH—VOICE AND DICTION. Development and use of the speaking voice with attention to social and professional needs of the student. Group and individual guidance and practice on voice and articulation exercises.
Two terms—two hours. Offered Day and Evening.

23. PHONETICS AND SPEECH IMPROVEMENT. The International Phonetic alphabet as a basis for diagnosis of speech individualism. Phonetic readings. Pronunciation drills. Voice development.
One term—three hours. Offered Day and Evening.

24. WORLD LITERATURE. The great masters and masterpieces of the world such as Homer, Virgil, Dante, Cervantes, Goethe and Schiller, Racine, Tolstoi and Dostoevsky, Ibsen, and Thomas Mann.
One term—three hours. Offered Day only.

25. RADIO WRITING. Comprehensive course covering the whole field of Radio Writing. Conducted informal-

ly, it will include lectures; the playing of recordings for illustrative purposes; guest lectures by prominent local radio personages; the writing of scripts, originals, and adaptations by each member of the class; class discussion and criticism of material prepared during the course; analysis of broadcasts to be listened to as supplementary work; and the use of suitable material submitted by students in radio broadcasts over WGBI.

One term—three hours. Offered Evening only.

26. SHORT STORY. Technique of the short story. Writing short stories.

One term—three hours. Offered Day and Evening.

27. CREATIVE WRITING. The sketch, essay, feature article, short story, and one act play. Training in all types with a view to editorial wants. Laboratory procedure.

One term—three hours. Offered Evening only.

28. INTRODUCTION TO POETRY. Enjoyment and appreciation of poetry according to types. Study and practice of verse forms, especially contemporary. In this course the student will learn about the various verse forms of modern poetry and will try to write them.

One term—three hours. Offered Evening only.

29. RADIO PRODUCTION. Complete laboratory course in the creation of all types of radio programs, with special emphasis on radio announcing and acting, and general voice and speech development. Actual study of problems in directing and producing the radio show. World's best professional radio scripts employed in rehearsals; students' efforts checked and compared to recording and transcriptions of scripts used. Suitable productions to be broadcast over WGBI.

Pre-requisite: English 25.

One term—three hours. Offered Evening only.

30. ART OF LITERARY CRITICISM. Principles of criticism of the great critical writings. Practice in literary reviewing.

One term—three hours. Offered Day and Evening.

FINANCE

An economic society, organized along pecuniary lines must depend upon the judgments of those individuals capable of thinking in terms of money, credit and financial institutions. To this end these subjects are offered as fit for professionally-minded students.

1. MONEY AND BANKING. A general survey of the field of money and credit. Evolution of money media, functions of money, commercial banking operations and the use of bank credit in financing business, history of banking in the United States, Federal Reserve System, foreign exchange and the methods of financing foreign trade, money markets, theory of prices, price stabilization, monetary and banking problems of today.
   Two terms—three hours. Offered Day and Evening.

2. BUSINESS FINANCE. Legal forms of business, promotion of new businesses, financing of new and going businesses. The small business as well as the large is discussed. Attention is given to current financing as well as to long time financing by the issue of stocks and bonds. The work of the financial executive and the organization of the financial department. Methods of controlling expenditures. Business combinations and reorganizations.
   Two terms—three hours. Not to be offered 1942-1943.

3. INVESTMENTS. A study of investment theories and the principles underlying the choice of securities for an individual investment policy. The aim is to develop by classroom discussion and individual investigation, a method of procedure to be followed in the analyzing of various types of securities.
   One term—three hours. Offered Day and Evening.

4. STOCK MARKETS. A survey of the stock market as an instrument of modern business. The course includes a study of the organization of the market, its relation to the banking system and the public, the work of brokerage houses, methods of speculation, movement of stock prices, business cycles in relation to speculation and investment, and the forecasting of stock market conditions.
   One term—three hours. Offered Day only.

5. INSURANCE. The aim of this course is to present the underlying principles upon which all forms of insurance are based. The principles are developed as they apply to the different branches of the business. The major divisions of insurance, life, casualty, fire, marine, fidelity and corporate surety, employers' liability, title and credit insurance are discussed at length.

One term—three hours. Offered Day only.

7. PUBLIC FINANCE. A study of the expenditures, revenues, debts and fiscal administration of national, state, and municipal governments with special reference to the effect of taxation on business and to present day problems in public finance.

One term—three hours. Not to be offered 1942-1943.

8. CORPORATION FINANCE. This course deals with the financial structure and problems of modern business corporation. Common types of securities. Promotion including parts played by promoters, investment banker, his organization and security dealer. Determinations, management and distribution of surplus. Financial problems of expansions, including changes in financial plans. Securing funds for expansion. Failure of corporations, reorganization and liquidation.

Two terms—three hours. Offered Day and Evening.

9. THE CHARTERED LIFE UNDERWRITERS COURSE. This course, offered to life insurance men and women, is in preparation for the 1943 examination for the Chartered Life Underwriters designation, as conferred by the American College of Life Underwriters.

It will consist of material included in Life Insurance Fundamentals, which is the first installment of the five-part course for the C.L.U. designation. Several periods will be devoted to the fundamentals of salesmanship as applied to life insurance.

One term—three hours. Offered Evening only.

FRENCH

The French courses have as their main objective to acquaint the students with French Culture and Literature, particularly in their relationship to Modern civilization. Much emphasis is placed upon the sympathetic understanding of French customs, philosophy, and ideals.

Freshmen who present two units of French for admission and who fail in the entrance examination in French must follow French I for which no college credit shall be given.

1. ELEMENTARY FRENCH. This course is intended for those who begin French in College. Principles of French Grammar, practice in reading, speaking and writing French. Its aim is to enable students to read ordinary French with ease, to understand to some extent the language when spoken.

   General knowledge of phonetics. Complete knowledge of irregular verbs in text.

   Two terms—three hours. Offered Day and Evening.

2. INTERMEDIATE COURSE. This course presupposes two years of High School French or the equivalent of elementary French. Much attention is given to the essential principles; rapid reading and composition. French is made the language of the classroom. Students in the Science classes follow a course in Scientific French.

   Two terms—three hours. Offered Day and Evening.

3. THIRD COURSE. REVIEW OF FRENCH SYNTAX. Oral and written composition. Conversation, reading of classical and modern authors.

   Two terms—three hours. Offered Day and Evening.

4. ADVANCED COURSE. SEVENTEENTH CENTURY PROSE AND DRAMA. Review of French Syntax. Oral and written composition. Histoire de la Litterature Francaise. Sixteenth and Seventeenth centuries.

   Two terms—three hours. Offered Day and Evening.

5. ADVANCED COURSE. HISTOIRE DE LA LITTERATURE FRANCAISE. Eighteenth Century to present day.

   Supplementary reading in connection with courses 3, 4, 5, determined by the needs and attainments of the students, will be required.

   Two terms—three hours. Offered Day only.

6. CONVERSATIONAL FRENCH. The purpose of this course is to acquaint the student with idiomatic and everyday French as spoken by the natives. Special emphasis is placed on accent, intonation and pronunciation.

It is particularly recommended to those who have had at least two years of French and to teachers desirous of perfecting their knowledge of the spoken language.

Two terms—three hours. Offered Evening only.

GERMAN

German is taught to enable the student to read, speak and understand the German tongue. Emphasis is placed on the Geography, History, Customs and Culture of the German people.

1. ELEMENTARY GERMAN. Fundamentals of grammar, reading and composition. Drill in conversation.
   Two terms—three hours. Offered Day and Evening.
2. INTERMEDIATE COURSE. Grammar and composition; oral and written exercises. Reading of German prose.
   Two terms—three hours. Offered Day and Evening.
3. ADVANCED GERMAN. Reading of selected texts in prose and poetry. Advanced prose composition.
   Two terms—three hours. Offered Day only.
4. SCIENTIFIC GERMAN. Reading of technical and scientific German.
   Two terms—three hours. Offered Day only.
5. GERMAN ESSAYS AND DISCUSSIONS IN GERMAN. Composition in German.
   Two terms—one hour. Offered Day only.
6. HISTORY OF GERMAN LITERATURE. Reading of German Authors and study of the history of German Literature.
   Two terms—two hours. Offered Day only.

GREEK

The aims in the teaching of Greek are to acquaint the student with Greek mythology, literature, philosophy and art and to enable him to build up his English vocabulary and to understand pure modern Greek.

1. GRAMMAR. A thorough study of grammar including MI verbs and the most important irregular verbs and the essentials of syntax.
   Two terms- -four hours. Offered Day only.
2. XENOPHON—ANABASIS, BOOKS I-IV.
   Homer—Illiad, Books I-III
   New Testament

Lysias—Selected Orations
Plato—Apology and Crito
Demosthenes—On the Crown
Homer—Selections from the Odyssey
Lectures on Greek Oratory
Compositions based on the Apology
Two terms—three hours. Offered Day only.

3. AESCHYLUS—PROMETHEUS
Sophocles—Antigone
Euripides—Alcestis
Aristophanes—Birds
Lectures on the Greek Stage; Greek Tragedy; Greek Comedy.
Selections from the New Testament for Sight Reading.
Two terms—three hours. Offered Day only.

HISTORY

The aims of the History Department might be stated as: (a) to present History as the science of human activities and concrete events which have social significance, (b) to demonstrate that the content constitutes a body of knowledge the parts of which are interdependent through their causal relations, (c) to encourage the student to approach the subject in the historical method of investigation, determination, and reconstruction.

The moral law is accepted as the norm of evaluation.

The subject is offered for its intellectual and utilitarian cultural value.

1. HISTORY OF CIVILIZATION. This course consists of an analytical survey of the History of Civilization.
Two terms—three hours. Offered Day and Evening.

2. POLITICAL AND CULTURAL HISTORY OF MODERN EUROPE FROM 1500 TO 1830. A fundamental study of the history of Modern Europe from the period of the rise of the national monarchies of Western Europe to the rise of industrialized society.
One term—three hours. Offered Day and Evening.

3. POLITICAL AND CULTURAL HISTORY OF MODERN EUROPE FROM 1830 TO 1942. A fundamental study of the history of Modern Europe.
One term—three hours. Offered Day and Evening.

4. POLITICAL AND SOCIAL HISTORY OF THE UNITED STATES FROM 1492 TO 1865. A fundamental study of the history of the United States from the Era of Euro-

pean Beginnings in America to the end of the Civil War.

One term—three hours. Offered Day and Evening.

5. POLITICAL AND SOCIAL HISTORY OF THE UNITED STATES FROM 1865 TO 1942. A fundamental study of the history of the United States from the end of the Civil War to the present time.

One term—three hours. Offered Day and Evening.

6. PHILOSOPHY OF HISTORY. Survey, analysis, and evaluation of the various schools of historical interpretation and their authoritative exponents in pagan, Hebrew, and Christian antiquity, the Middle Ages, and Modern times. Survey of current writings and theories concerning the nature, origin, and goal of civilization, culture, and progress in the history of mankind. Analysis and definition of these concepts.

One term—three hours. Offered Day only.

7. PHILOSOPHY OF HISTORY. Cause and law in history. Basic factors of history universally considered. Man, nature, the supernatural. Environmental culture: religion, morality, economic and institutional life, art and science; origin, operation, mutual relation, and integration of these factors in the texture of historical events. Historical verification of purposive unity and sequence in the perspective of events; ultimate purpose of man in history; goal of human progress.

One term—three hours. Offered Day only.

8. THE MIDDLE AGES. A study of the distinctive spirit, manners, morals, and institutions; education, culture, and social organizations. Church and State. The Crusades. The Renaissance. Islam.

One term—three hours. Offered Day only.

9. ECONOMIC HISTORY OF EUROPE. To the end of the Middle Ages, Foundations of European Economic Life. Roman Economic Life. Mediterranean Europe During the Middle Ages. Economic Awakening of Northern Europe. The Manor. Commerce and Industry in Northern Europe During the Middle Ages.

One term—three hours. Not to be offered 1942-1943.

10. Economic History of European Modern Times. The beginnings of European Expansion. The "Commercial Revolution." The Industrial Revolution. The Factory System. Development of English Agriculture since 1800. Agricultural Development of Germany since 1800. Agricultural Development of France since 1789. Growth of English Industry since 1800. French Industry since the Revolution. Commercial Development since 1800. Great Britain, France and Germany. Industrial and Trade Associations. Other Western Countries. Southeastern Europe. Russia.
One term—three hours. Not to be offered 1942-1943.

11. American Economic History. A survey of the economic history of the nation from the colonization period to the present.
One term—three hours. Offered Day and Evening.

15. Latin American History. A basic study of the political, social, and economic history of the Latin American nations as parts of the Spanish and Portugese Colonial Empires and as independent nations.
One term—three hours. Offered Day and Evening.

19. The Political Parties of the United States. A study of the causes of their origins and development and decline; their principles and practices; their leaders and constituents, and their contribution to the political theory and practice of the nation.
Three Credits. Offered Day and Evening.

20. Slavery in the United States. A survey of the Institution in the ancient and medieval civilizations. The origin, development, expansion, and suppression of Slavery in the United States and their economic, social, political, and religious significances.
Two terms—three hours. Offered Evening only.

23. The World Since 1914. A study of the background of the period; of the World War; of the making of Peace and the Five Famous Treaties; of the National and International problems resulting therefrom, and the efforts to solve them.
One term—three hours. Offered Evening only.

24. ANCIENT HISTORY. A survey of the culture and civilization of the Mediterranean World to the end of the Barbarian Invasion.
One term—three hours. Offered Evening only.

26. CONTEMPORARY EUROPE. Covering period between Congress of Paris and Modern Times with special reference to Cavour and Unification of Italy, Bismarck and the German Reich. The Balkan States. The World War and post war problems to Bolshevik Russia. Palestine, German Expansion, Czechoslovakia, Japan and Italy.
One term—three hours. Offered Day and Evening.

27. CONTEMPORARY AMERICAN CIVILIZATION. An analysis of the leading economic and cultural aspects of American civilization since 1865. Among the topics treated are the growth of industry, agriculture and agrarian discontent, the disappearance of the frontier, labor and immigration, sport, literature, the arts, religious tendencies, and the diffusion of knowledge with an epilogue on the New Deal.
One term—three hours. Offered Evening only.

28. AMERICAN CONSTITUTIONAL HISTORY (1776-1936). A survey of American constitutional history with special emphasis on the bases of American constitutionalism, the Federal Convention, the growth of the Supreme Court, the problems of states rights, nationalism, slavery, constitutional problems presented by the Civil War and Reconstruction, the significance of the Fourteenth Amendment, imperialism, the World War, Federal centralization, and the problem of Court reform.
One term—three hours. Offered Evening only.

29. INTRODUCTORY COURSE IN CANADIAN HISTORY. This course will deal with the French régime in New France, that is from the discovery of Canada by Jacques Cartier through the wars with the English and Indians until the Cession to the British Crown and the beginning of the English régime in 1763.
One term—three hours. Offered Day and Evening.

READING COURSES: Written application approved by the Registrar to be presented to the Head of the Department concerned for his decision.

ITALIAN

The aims of the Italian classes are to enable the student to read, speak and understand the language. The connection between Latin and Italian and Italian and English is stressed.

1. ELEMENTARY ITALIAN. Study of grammar, including drill in the most common irregular verbs, reading and translation and conversation in Italian.

   Two terms—three hours. Offered Day and Evening.

2. INTERMEDIATE ITALIAN. Complete review and study of Italian grammar and syntax. Conversation and composition.

   Two terms—three hours. Offered Day and Evening.

3. ADVANCED ITALIAN. Advanced composition and study of 19th and 20th century authors.

   Two terms—three hours. Offered Day and Evening.

4. HISTORY OF ITALIAN LITERATURE and Study of the principal authors from Dante to modern times.

   Two terms—three hours. Offered Day and Evening.

LATIN

The courses in Latin aim at: (1) linquistic achievement through mastery of the Latin language; increased ability to learn other foreign languages; advancement of the student's English through an understanding of Latin derivatives, percision in their use; development of an appreciation for the literary qualities of Latin authors; (b) cultural enrichment through the development of a broader understanding of social and political questions, institutions and life of today in correlation with the Roman and other civilizations.

2. FRESHMAN CLASSICAL. An intensive review of the fundamentals of Latin grammar. Required of all Freshmen who offer two years of Latin for entrance credit. Open to Freshmen who wish to begin the study of Latin in College. Selections from Latin prose and poetry authors will accompany the course.

   Two terms—four hours. Offered Day and Evening.

3. SOPHOMORE CLASSICAL. LIVYS selections from Books I and XXI. Lectures on the History of Rome will accompany the reading of Livy.

   One term—four hours. Offered Day and Evening.

OVID: selected reading from this author will be treated. Lectures on Roman Mythology will accompany the course.

One term—four hours. Offered Day and Evening.

4. JUNIOR CLASSICAL. HORACE: selections from the Odes, Epodes, and Satires.

One term—four hours. Offered Day and Evening.

TACITUS: selections from the Annales, Germania, and Agricola.

One term—four hours. Offered Day and Evening.

5. SENIOR CLASSICAL. PLINY: selected letters. Lectures on the life, style, times of Pliny will accompany the reading of the author.

One term—four hours. Offered Day and Evening.

PLAUTUS and TERENCE: Plays of each of these writers of Early Latin Comedy will be read and accompanied with lectures on the development of Latin Comedy.

One term—four hours. Offered Day and Evening.

MARKETING

The physical separation of production and consumption requires the services of various marketing agencies. A study of these distributive functions is part of a liberal business education.

2. MARKETING. The first semester is devoted to a study of the marketing system of the United States. Attention is given to the marketing of agricultural products and raw materials as well as manufactured products. Co-operative marketing is discussed at length.

The second semester is given up to a consideration of the marketing problems of the individual business, to market research and analysis, choice of marketing channels, sales promotion, sales management, and control of selling costs.

Two terms—three hours. Offered Day and Evening.

3. ADVERTISING. A practical course in the writing of advertisements with actual practice in Layout, Copywriting and Proof Reading. Instructions in

Sales Promotion, Advertising and Advertising Policies. Organization of Advertising Departments from a "one-man" business to a business of many departments. The advantages, opportunities and possibilities of Newspaper, Direct Mail and Radio advertising contrasted with their limitations and disadvantages.

Two terms—three hours. Offered Day and Evening.

4. BUSINESS POLICY. The aim of the course is to coordinate the work given in the specialized business courses, to show the interrelationship between economic theory and business problems, and to indicate the place of public relations in management. Individual research on business problems may be required during the second semester.

Two terms—three hours. Not to be offered 1942-1943.

5. RETAIL MERCHANDISING. An introductory course to the principles of retailing. Field of Merchandising, Buying, Markups and Markdowns, Figuring Profits, Retail Method of Inventory, Merchandising Control, Unit Control, Sales Promotion, and Advertising, Better Selling, Training of Salespeople, Coordinating all Selling Activities.

One term—two hours. Offered Evening only.

6. TRAFFIC MANAGEMENT. Transportation of freight; shipment preliminaries; methods of shipping; freight tariffs; Canadian freight classification and rates; special freight services; tracing, expediting and claims; regulation of commerce; industrial traffic control; express and parcel post; motor freight transportation; air transportation.

One term—two hours. Offered Day and Evening.

7. SALESMANSHIP. This course is a practical approach to the problems of selling. The principles of commodity analysis, personal training, customer approach, selling talk are taught.

Extensive use of salesmen in person, made possible by the urban location of the University, adds reality to the teaching of this subject.

One term—three hours. Offered Day and Evening.

9. RETAIL-STORE MANAGEMENT AND OPERATION. Successful methods of organization and operation in the store manager's division are discussed. The course covers an analysis of operating expenses, stressing the importance of budgetary control, wage methods and selling costs, systematic procedures in the receiving department, the service division, delivery, the bureau of adjustments, credit, workrooms, and the purchasing of supplies. Plans to keep operating expenses at a minimum are studied.
One term—three hours. Offered Evening only.

MATHEMATICS

It is the purpose of the Mathematics Department to fix in the students minds the fundamental mathematical operations and concepts by which he will be able to make the ordinary calculations that arise in everyday life and in connection with such courses as those in the different sciences. Furthermore, the various applications of mathematics are pointed out and the student is given some idea of the power of mathematics as a tool to be used to give meaning to the observable facts of the sciences. Those students who major in science are given Calculus and other courses of Advanced Mathematics so that they shall be adequately prepared for calculations and computations of a more advanced nature. And those who plan to teach Mathematics have an opportunity to take the required number of hours and to become quite familiar with some of the finer points of mathematical theory.

1. COLLEGE ALGEBRA. Linear, quadratic and algebraic equations. Functions and graphical methods. Mathematical induction, permutations and combinations, determinants, etc.
One term—three hours. Offered Evening only.

2. PLANE TRIGONOMETRY.
One term—three hours. Offered Evening only.

3. ANALYTIC GEOMETRY. The fundamental properties of the conic sections and a brief introduction to the geometry of three dimensions.
Pre-requisites: Math. 1 and 2 or entrance Trig.
One term—three hours. Offered Evening only.

4. DIFFERENTIAL CALCULUS. Variables and functions; limits; differentiation; geometrical and physical ap-

plications of the derivative; maxima and minima; differentials; rates; indeterminate forms; expansion of functions in series.

Pre-requisites: Math. 1 and 3 or 11.

One term—three hours. Offered Day and Evening.

5. INTEGRAL CALCULUS. Integration as the inverse of differentiation; the definite integral; reduction of integrals to standard forms; integration as a process of summation; areas, lengths of curves, volumes, physical applications, double and triple integration, etc.

Pre-requisite: Math. 4.

One term—three hours. Offered Day and Evening.

6. INTRODUCTION TO STATISTICAL ANALYSIS. Curve plotting; frequency curves, averages, measures of dispersion, theory of correlation. Applications to the natural and social sciences.

Pre-requisites: Math. 4 and 5.

One term—three hours. Offered Day and Evening.

7. HISTORY OF MATHEMATICS.

Pre-requisites: Math. 4 and 5.

One term—three hours. Offered Evening only.

8. ADVANCED CALCULUS. Theorem of mean value; centroids, fluid pressure; Taylor and MacLaurin series; partial differentiation.

Pre-requisite: Math. 5.

One term—three hours. Offered Day only.

9. DIFFERENTIAL EQUATIONS. Formation of a differential equation; equations of the first order and first degree; equation of higher degree than the first, Clairaut's equation; singular solutions; applications to geometry, mechanics, and physics.

Pre-requisites: Math. 8.

One term—three hours. Offered Day only.

10. ACCOUNTING MATHEMATICS. Percentage in all its applications. Simple and compound interest. Bank, trade, and cash discounts. Commissions. Bankers' daily balances. Equations of accounts. Averages, Building and Loan Association Problems.

Two terms—three hours. Offered Day and Evening.

11A. Mathematical Analysis. A survey course for Arts students who will complete their mathematical requirement the first year. This course will emphasize the subjects of Algebra and Trigonometry but will include as much of Analytical Geometry as time permits.

Two terms—Four hours. Offered Day and Evening.

11B. Mathematical Analysis. For students who will do advanced work in mathematics. It will be a survey of the subjects of Algebra, Trigonometry, Analytical Geometry, and will include an introduction to Calculus.

Two terms—Four hours. Offered Day and Evening.

12. Advanced Algebra and Calculus. Application of algebra and calculus to solutions of equations of any order. Partial differentiation and partial differential equations and their applications.

Pre-requisite: Math. 8.

One term—three hours. Offered Day and Evening.

13. Mathematical Analysis for Advanced Students. An integration course covering the fundamental branches of mathematics designed for those students who have majored in mathematics and for those who intend to teach the subject.

Pre-requisites: Fifteen hours of college mathematics.

One term—three hours. Offered Day only.

MUSIC

1. Music Appreciation. A preliminary and fundamental course on the Appreciation of Music connected with a survey of its History. Particular emphasis given to the study of the Italian Opera. Lectures illustrated by piano and by phonograph records.

Two terms—three hours. Offered Day and Evening.

2. Music Appreciation. A continuation of Music Appreciation 1 devoted to the study of the Wagnerian opera and the Symphony. Lectures illustrated by piano and by phonograph records.

Two terms—three hours. Offered Day and Evening.

3. Comparative Aesthetics. A comparative study of Music, Literature, and the Visual Arts (Architecture, Sculpture, Painting). An advanced course open to all seniors or to juniors who have completed either Music 1 and 2 or Art 1 and 2.

   Reading: Carrit—The Philosophies of Beauty; Max Schoen—Art and Beauty; L. W. Flaccus—The Substance and Spirit of Art; Felix M. Gatz—The Aesthetics of Richard Wagner.

   Two terms—three hours. Offered Day only.

4. Applied Music Appreciation. For Freshmen, Sophomores, Juniors and Seniors. Study of American and foreign folk songs and larger American Choral compositions. Performance in student assemblies, in public and over radio. Short survey of the History of Music, especially of Choral music from Palestrina, through Bach, Handel, Beethoven, Mendelssohn and Brahms to the present. Admission to this course by special appointment with the conductor.

   One term—three credits.

PHILOSOPHY

The course program in the field of philosophy is designed to acquaint the student with the significant issues which face him in working toward an ultimate explanation of the world as a whole and also in its several divergent aspects. The method is both critical and constructive. Emphasis is laid on the centrality of theistic and ethical problems and the importance of an adequate world-view of all phases of experience.

1. Introduction to Philosophy. A survey of the field. A development of the principles of philosophy in the form of projects. Fundamental problems are first presented, the different positions taken by successive thinkers, outlined and discussed, and the student is encouraged and assisted to make up his mind on the theory which he shall accept.

   One term—three hours. Not to be offered 1942-1943.

2. Logic. Deductive: Concepts, terms, intension, extension, predicables, categories, definition and division. The laws of thought. Judgment, proposition, immediate inference and the syllogism. Fallacies and extra-syllogistic arguments. Inductive: Postulates of the scientific enterprise. Scientific method. Prin-

ciples of verification. Statistics, probability and correlation. Functional analysis. Establishing causal laws. Problem of thinking as an evaluation.
One term—three hours. Offered Day and Evening.

3. EPISTEMOLOGY. An introduction to moderate realism with an exposition and criticism of the principal theories of knowledge. The aim of the course is the investigation of the truth—claim of knowledge.
One term—three hours. Offered Day only.

5. COSMOLOGY. A study of the general characteristics and basic principles of the material universe. Atomism, Dynamism, Hylomorphism. Nature and fact of extension. Space and time. Non-Euclidian space. Theory of Relativity. Efficiency and the physical laws. Possibility and cognoscibility of miracles.
One term—three hours. Offered Day only.

6. NATURAL THEOLOGY. An evaluation of the proofs for the existence of God, as the unproduced, intelligent, personal, first cause of all things produced. The essence and attributes of God. Pantheism. The problem of evil. Difficult questions concerning God's knowledge. Action of God in the world.
One term—three hours. Not to be offered 1942-1943.

7. ETHICS. Principles and problems of moral science. A theory of good and evil; the end of man, free-will, and the moral order. A theory of right and duty: rights of the individual, rights of the members of the family, and the rights of the state.
One term—three hours. Offered Day and Evening.

8. HISTORY OF ANCIENT PHILOSOPHY. The thought of the ancients weighed in the balance of the Twentieth Century: the Milesians, the Eleatics, the Pythagoreans, Heraclitus, Democritus, Socrates, Plato, Aristotle, the Epicureans, the Stoics, the Sceptics, the Neo-Platonists and Patristic philosophy.
One term—three hours. Not to be offered 1942-1943.

9. HISTORY OF MEDIEVAL PHILOSOPHY. An appraisal of the contribution of the schoolmen to the history of thought. Significance and originality of Augustinism. Controversary over universals, Scotus Erigena,

St. Anselm, the influence of the mystical schools, the Arabian and Jewish inroads.

The Thomistic synthesis. Albert, Bonaventura and Roger Bacon.

Duns Scotus and Ockham. Decline of Scholasticism. Philosophical trends during the Renaissance.

One term—three hours. Not to be offered 1942-1943.

10. HISTORY OF MODERN THOUGHT. Exposition, appreciation and criticism of Descartes; his methods, influence on later thought. Malebranche, Spinoza, Leibnitz, Hobbes, Locke, Berkeley, Hume. Exposition, appreciation and criticism of Kant; influence of his philosophy. Fichte, Schelling, Hegel, Schopenhauer. Herbert Spencer. Nietzsche. Neo-Scholasticism.

Contemporary Philosophy. Comparative study of Neo-Scholastic and Non-Scholastic present day thought.

One term—three hours. Not to be offered 1942-1943.

11. PHILOSOPHY OF MIND. The human soul; one, abiding, substantial principle of life in man. Its simplicity, spirituality and immortality. Origin of the soul. Intellectual life. Rational appetency.

One term—three hours. Not to be offered 1942-1943.

12. PHILOSOPHY OF BEAUTY AND ART. A comparative study of the philosophical and psychological theories of Beauty and Art. An advanced course open to all seniors or to juniors who have completed either Art 1 and 2 or Music 1 and 2.

Readings: Carrit—The Philosophies of Beauty; Max Schoen—Art and Beauty; L. W. Flaccus—The Substance and Spirit of Art; Felix M. Gatz—The Aesthetics of Richard Wagner.

Two terms—three hours. Offered Day only.

PHYSICAL EDUCATION

1. PHYSICAL EDUCATION. It is the aim of the College to have each student participate in some form of athletics. With that end in view compulsory attendance in physical training is required two hours each week for Freshmen and Sophomores. Two credits for this work will be granted toward the student's degree.

A department of Intramural Athletics has been established to encourage student participation in athletics. Class teams have been established in Basketball, Swimming, Baseball, Tennis, Handball, and Track, with schedules drawn up and followed conscientiously. It is hoped that such participation in competitive sports will instill a favorable impression upon the student, so that it will have a carry-over value after he leaves college.

Two terms—two hours. Offered Day only.

PHYSICS

Physics, the science of the actions of inanimate objects, attempts to explain such things as Why, How and How Much. It is a science in which the basic ideas and concepts are arrived at by processes of reasoning starting with known and observable facts. The purposes of the courses in physics are, (a) to enable the student to acquire a scientific method, (b) to acquaint the student with the physical quantities that play so vast a role in his every-day existence, (c) to give him a working knowledge of the instruments and devices used in making measurements of the physical quantities, (d) and finally to give him some knowledge of the applications of physics to the development of many of the mechanical, electrical and other devices of our modern civilization.

1. GENERAL PHYSICS. Fundamental course in Mechanics, Heat, Magnetism, Electricity, Sound and Light.

   Pre-requisites: Mathematics 1 and 2 or entrance credit in Trigonometry.

   Both terms—three hours lecture and two hours lab. Offered Day and Evening.

4. RECENT DEVELOPMENTS IN PHYSICS. Review of theories of magnetism and electricity. Alternating and high frequency current, electromagnetic waves, discharge of electricity in gases, theory of electrons, thermionics, photo electricity, ultra violet radiation, x-rays, radioactivity. With special application of the electro-magnetic spectrum, radioactivity and high frequency currents to medicine.

   Pre-requisite: Physics 1.

   Two terms—three hours. Offered Day only.

5. ADVANCED PRACTICAL WORK WITH ULTRA VIOLET, X-RAY, RADIUM AND METHODS OF MEASURING SAME.

   Pre-requisite: Physics 4.

   Two terms—three hours. Not to be offered 1942-1943.

6. THERMIONICS. The fundamental concepts of thermionic emission according to the electron theory with special emphasis on the study of the characteristics of vacuum tubes and their application to radio.
   Pre-requisites: Physics 1 and Math. 5.
   One term—three hours. Offered Day only.

7. ELECTRICITY AND MAGNETISM. A more advanced study of electricity and magnetism including the treatment of alternating and high frequency currents.
   Pre-requisites: Physics 1, Math. 11, and Math. 4 and 5 (Math 4 and 5 may be taken concurrently).
   One term—three hours. Offered Day only.

8. LIGHT AND SOUND. The first part of this course treats geometrical and physical optics and spectroscopy. The second part is a treatment of sound and acoustics.
   Pre-requisites: Physics 1.
   One term—three hours. Offered Day only.

9. MECHANICS. A detailed treatment of the subject of mechanics, exclusive of molecular mechanics, which covers forces and motions and related topics of statics and dynamics.
   Pre-requisites: Physics 1, Math. 4 and 5.
   (The second semester of Physics 1, Math. 5 and Phys. 5, may be taken concurrently.)
   One term—three hours. Offered Day only.

10. HEAT AND THERMODYNAMICS. An expansion of the heat and thermodynamic ideas presented in the first course of physics. It is to give a fuller understanding of the thermal changes which take place in nature, or are brought about in industry, and are studied in the laboratory.
    Pre-requisites: Physics 1, Math. 4 and 5.
    One term—three hours. Offered Day only.

POLISH

1. ELEMENTARY POLISH. Fundamentals of grammar, reading and composition.
   Two terms—three hours. Offered Evening only.

2. ADVANCED POLISH. Reading of selected texts in prose and poetry.
   Two terms—three hours. Offered Evening only.

PSYCHOLOGY

Because of the unique position of Psychology in the system of the special sciences, the main objective of the course program in this field is twofold: first, a recognition of the necessity for correlating the results of psychological research with the philosophical principles and for building psychological theory upon philosophical foundations; second, a study of principles, methods and scientific data of all types pursued from the point of view of helping the student to make an analysis in psychological terms of situations in which he plays a part.

1. GENERAL PSYCHOLOGY. A survey of the field of psychology. Sensation, perception, imagination, memory, thought, affective mental states, volition. The driving forces of human nature. The abnormal mind. Unconscious mental states and psychoanalysis. Educational, legal, criminal, and economic applications of psychology.
   One term—three hours. Offered Day and Evening.

2. DYNAMIC PSYCHOLOGY. The course is designed to give the student (a) an insight into the modern trends of psychology; (b) a foundation for the practical understanding of his own inner life that will be of assistance to him in the solution of the mental difficulties that continually arise in the course of an ordinary existence; (c) an introduction to the clinical problems of psychology that will open the way to the appreciation of borderline cases and a technique for handling them should a medical training lead further into this field.
   One term—three hours. Offered Day and Evening.

3. ADOLESCENT PSYCHOLOGY. The successive stages of physical and mental development from childhood through adolescence. The rise of new impulses and emotions, the development of self-consciousness and social traits, as determining the growth of interests and the outlook upon life. The fundamental categories of valuation, as set forth in the philosophy of morals, of religion and of education.
   One term—three hours. Offered Evening only.

4. ABNORMAL PSYCHOLOGY. The course comprises a series of discussions on behavior displays viewed as abnormal.
   One term—three hours. Offered Evening only.

5. APPLIED PSYCHOLOGY. The major psychological problems of education, industry, advertising, law, and human contacts.

One term—three hours. Offered Day and Evening.

6. PSYCHOLOGY FOR COUNSELORS. This course is designed to aid school guidance counselors, teachers, and administrators in securing an effective basis for the diagnosis and treatment of pupil difficulties on the secondary school level.

Completed case studies of high school pupils will be used to illustrate the point of view of the objective psychologist.

One term—three hours. Offered Evening only.

7. MENTAL HYGIENE. The principles of mental health. Conflicts and reactions in the form of defense and escape mechanisms. Compensations—their nature and worth in both normal and abnormal individuals. The prevention of mental ill-health.

Pre-requisite: Psych. 1 or 2.

One term—three hours. Offered Evening only.

8. CONTEMPORARY PSYCHOLOGY. Modern schools and trends in Psychology. Behaviorism. Eidetism. "Gestalt"-Psychology. Psychoanalysis and other schools of Psychology of Unconscious: Freud; Adler; Jung. Philosophical approach in Modern Psychology.

One term—three hours. Offered Evening only.

9. SOCIAL PSYCHOLOGY. The aim of this course is the development of an awareness to the psychological bases of social activity and organization. The origin, development, and integration of personality and social behavior are emphasized in the light of the everyday social scene.

One term—three hours. Offered Evening only.

10. INDUSTRIAL PSYCHOLOGY. The use of psychology in industry and business; selection and training of workers and employees; scientific management; accident prevention; problems of advertising and propaganda; market research.

One term—three hours. Offered Evening only.

RELIGION

The Religion Course Program of the University of Scranton has been organized upon the fundamental principle that Religion is something vital, something that must be lived. It is not intended to train theologians but rather, thoroughly enlightened and strongly motivated Catholic gentlemen and scholars.

1. DOGMA. God the Father and Creation; God the Son and the Redemption; God the Holy Ghost and Sanctification. History of the Old Testament. Scriptural Readings.
   Two terms—three hours. Offered Day only.
2. MORAL. General principles. Virtue and Vice; Sin; Commandments of God and of the Church; Law; Individual, social, common law of nations. History of the New Testament.
   Two terms—three hours. Offered Day only.
3. WORSHIP. Grace, prayer, sacraments, liturgy.
   One term—three hours. Offered Day only.
4. CHURCH HISTORY. The Acts of the Apostles; the Persecutions; the Heresies; the Fathers of the Church; Conversion of Nations; the Ages of Faith; Monasticism; the Renaissance; the Council of Trent; the Church of America.
   One term—three hours. Offered Day only.
5. APOLOGETICS. Religion: notion, possibility and necessity. The theistic proofs. The nature and attributes of God. Soul: substantiality, simplicity, spirituality, and immortality. Creation. Hexameron. Revelation: possibility, necessity and criteria of a valid revelation. Bible: inspiration and scope. Authenticity, integrity and veracity of Old and New Testaments. False theories. Divinity of Christ. Primacy of St. Peter and of his successors. Infallibility of the Church.
   One term—three hours. Offered Day only.

SOCIAL SCIENCE

This department has as its objectives the training of a broadly cultured man who can think critically and clearly and who can express his thoughts in a manner that will secure the sympathy and comprehension of his fellows. It aims to provide the student with a working knowledge of the problems of our political and economic society. In the exposition of the suggested solutions and remedies, the Catholic viewpoint is presented.

1. FOUNDATIONS FOR SOCIAL SCIENCE. Differentiation of the Social Sciences. Postulates. Social origins and the theory of evolution. The nature of man and the moral law. The interest of the Church in Social Science. Social processes. Heredity and Environment in their relation to groups. The institutional groups. Communism and its practical manifestation—Socialism. Social Service. Social justice the ideal of Social Science.

One term—three hours. Offered Day and Evening.

2. CIVIC PROBLEMS. Nature and Character of the State. Relations with the Church. The origin and authority of the State. The functions of the State. Comparison of governmental systems. American Problems. International Relations.

One term—three hours. Offered Evening only.

3. SOCIAL PROBLEMS AND AGENCIES. Problems, such as: housing, crime, juvenile delinquency, mental defectiveness, dependency and relief, recreation and leisure, education, child welfare, the negro, rural needs, religion, family disintegration, etc.

Throughout the course special attention will be given to problems and agencies in anthracite communities.

One term—three hours. Offered Day and Evening.

5. PRINCIPLES OF ECONOMICS. An introduction to the principles of economic theory and their application to present day problems. A study of the economic organization of the United States—of consumption production and marketing, foreign trade, money and credit, prices, foreign exchange, wage theories and the relation of employer and employed, capital and interest, rent, profits, and taxation. The course concludes with a critical examination of modern capitalism and alternative economic systems.

Two terms—three hours. Offered Day and Evening.

6. CURRENT ECONOMIC PROBLEMS. Conducted by discussion and extensive collateral reading. This course aims to increase familiarity with the current economic situation. Problems in the international field include tariffs, exchange restrictions and foreign

trade, currency depreciation, commodity prices, the World Economic Conference, the gold standard and international debts.

Two terms—three hours. Offered Day only.

7. THE FAMILY. The family and social change. Family bonds. Relations between the church and the family. The community and the family. Preparation for marriage. Choosing a life-partner. Legal safeguards of the family. The family as an economic institution. Other institutional functions of the family. The home and leisure. Changing reciprocal relationships. Broken homes. Remedies tending toward family re-integration.

One term—three hours. Offered Day and Evening.

8. THE COMMUNITY. Community Setting. Founding and Development. Local Government. Provisions for dealing with crime. Provisions for Public Safety, for Health Care, for the Handicapped, for Family Welfare. Housing. Planning and Zoning. Educational Resources. Religious Agencies. Public Assistance. Agencies for Community Planning and Co-ordination.

One term—three hours. Offered Day and Evening.

9. COMPARATIVE GOVERNMENT. A comparison of the following systems of government: of the United States, of Japan, and of the principal nations of Europe. Attention will be directed to international relations, to imperialism, and world politics, and to the world-wide movement toward communism since Marx.

Pre-requisite: Soc. 2, or its equivalent.

Two terms—three hours. Offered Evening only.

10. CONSTITUTIONAL LAW. The Constitution of the United States and of the State of Pennsylvania. Functions of the judiciary in enforcing constitutions; fundamental rights and immunities of persons; political rights, personal and religious liberty, protection to persons accused of crime, privileges and immunities of national and state citizenship; eminent domain; state laws impairing the obligation of contracts; powers of the national government.

Two terms—three hours. Offered Day and Evening.

11. CRIMINOLOGY. Law and Crime. Statistics and Causes of Crime. Physical and Physioligical Factors in Criminality. The Home and Family in Relation to Crime. Probation and Parole. The Criminal Juvenile Court. Prison and Punishment. Prevention of Crime.
One term—three hours. Offered Day and Evening.

12. ECONOMIC GEOGRAPHY. A study of the physical environment, which in a larger sense sets the stage for all economic activities. Specifically, the influence of climate, land forms, soils and their distribution on the surface of the earth are investigated.
One term—three hours. Offered Day and Evening.

13. GEOGRAPHY OF NORTH AMERICA. A second course in Geography. Applying the principles of human geography to the Peoples of North America. A regional study, emphasizing the distinctive contribution of the dwellers in the area to the wealth of nations.
One term—three hours. Offered Evening only.

14. LABOR PROBLEMS. Social and economic factors in industrial relations, insecurity, inadequate income, sub-standard workers, industrial conflict, and labor unions, are studied. Labor legislation is examined in detail. Emphasis is placed on the problem of unemployment. Reports, readings and class discussion.
One term—three hours. Offered Day and Evening.

15. AMERICAN GOVERNMENT. A study of the relationships between federal, state, and local governments, new attitudes of federal government toward private property, changes in rules of Congress, new districting act, new tax, banking and currency acts, new powers of the President, new rights of women, new method of ratifying federal amendments as used in the repeal of prohibition, new methods used in presidential elections.
One term—three hours. Offered Day and Evening.

17. INDUSTRIAL MANAGEMENT. This course deals with how goods are made. The factory, with its related problems, is studied. Specialization, expansion and contraction, personnel and control of the productive

process are among the subjects discussed. The text, written from the experience of actual cases, is supplemented by frequent field trips to nearby factories.
One term—three hours. Offered Day only.

18. POLITICAL SCIENCE. This course is an analytical and comparative study of modern govermental systems. An intensive study is made of how leading governments of the world deal with the problems of government.
One term—three hours. Offered Day and Evening.

19. INTERNATIONAL LAW. Detailed study of its nature and scope. Acquisition and loss of international personality. Rights and duties of States (independence, jurisdiction on territory and public and private vessels). Boundaries on high seas. International treaties. Agents of international intercourse (diplomatic, consular, etc.). Conflicts; Arbitration; Judicial Settlements; Collective Sanctions; War (land, sea and aerial warfare). Rights of neutrals. Blockade and contraband.
One term—three hours. Offered Day and Evening.

20. CONTEMPORARY GEOGRAPHY. A continuation of Economic Geography with special emphasis on the current struggle for world-wide objectives.
One term—three hours. Offered Evening only.

SPANISH

Spanish is taught to acquaint the student with Spanish Literature, History, Geography and Culture. Emphasis is placed upon an understanding of the philosophy and ideals of the people.

1. ELEMENTARY SPANISH. This course is intended for those who begin Spanish in College.
Application of the Spanish Grammar and Syntax in the construction of simple sentences. Translation from Spanish and into Spanish. Ordinary Spanish conversation.
Two terms—three hours. Offered Day and Evening.

2. INTERMEDIATE SPANISH.
Pre-requisite: Spanish 1 or equivalent.
Two terms—three hours. Offered Day and Evening.

3. SPANISH SYNTAX AND COMPOSITION. Pre-requisite: Spanish 2.

Application of the rules of Spanish syntax in the construction of difficult idiomatic sentences. Reading and explanation of text by student in Spanish. More extensive conversation in Spanish.

Two terms—three hours. Offered Day and Evening.

4. ADVANCED SPANISH READING AND COMMERCIAL SPANISH. Pre-requisite: Spanish 3. Review of Spanish Literature and reading of the more important authors in class, and of the less important authors outside of the class by assignments. Free composition in Spanish including Spanish letter writing.

   Short History of Spanish Literature.
   Spanish Free Composition.

Two terms—three hours. Offered Day and Evening.

5. MODERN SPANISH LITERATURE.

Two terms—three hours. Offered Day and Evening.

THE LIBRARY

The University Library offers advantages similar to those of any up-to-date library. Besides its well selected collection of books the library receives 151 magazines and newspapers in all fields of interest to the student.

In addition to the University collections the student also has at his disposal the facilities of the Scranton Public Library, located within three blocks of the University, and the Law Library in the Court House.

For courtesies extended by these libraries without cost to the out-of-town student see the University Librarian.

Having the complete library resources of Scranton available the student has opportunities to pursue his studies in a specialized library or in a general cultural atmosphere in the University library. The Reading Room has a seating capacity of 102 and is arranged and lighted for maximum service and comfort. Students will find here a quiet place in which to study.

RELIGIOUS ACTIVITIES

ARCHCONFRATERNITY OF THE HOLY INFANT JESUS

The end of this Archconfraternity is to obtain from Heaven through the Divine Child Jesus:

First. That God may have the first place in all studies in educational establishments throughout the world.

Second. That teachers and pupils may be everywhere free to observe the laws of Holy Church without any restraint whatever.

Third. That Catholic children may not be exposed to loss of faith in schools where God is not recognized.

League of the Sacred Heart

To foster a love of our divine Lord and a tender devotion to the Blessed Sacrament, and to create an active interest in all things religious, the Apostleship of Prayer and League of the Sacred Heart has been introduced in the college.

On the first Friday of each month special devotions are held in the University Chapel.

St. La Salle Auxiliary

This society has for its object the gaining of financial aid to support and educate young men as novices at Ammendale while preparing to become Christian Brothers.

The Auxiliary although including the entire student body upon its membership rolls has also numerous supporters throughout the Scranton diocese. There are various privileges obtained through membership in the Auxiliary, such as sharing in the frequent novenas made at Ammendale by the novices for the intentions of members, participation in daily Masses for the souls of living and deceased, etc.

EXTRA-CURRICULAR ACTIVITIES

The University Band

The University Band was organized in September, 1931. Any student with an aptitude for music is eligible for membership in the University Band. Band concerts are held at regular intervals during the scholastic year and the band plays at many of the athletic and extra-curricular activities held in connection with the various University exercises.

The Aquinas

The Aquinas is published weekly by the students. Its object is the cultivation of the literary aspirations of the students, the recording of the more significant events of the college and the cementing in a bond of fellowship the members of the Alumni.

The Debating Society

The University of Scranton Debating Society is one of the most prominent extra-curricular activities of the institution.

The object of the organization is to develop the latent oratorical ability of the students and train them in the art of formal argumentation.

As a means to this end, it sponsors an elimination contest each year in which eight debaters from the upper three classes are chosen to comprise the University Debating Team for intercollegiate debating. Another elimination is held for the freshman class in which a freshman team is chosen for junior intercollegiate debating.

Le Cercle Francais

The aim of this Society is to foster French learning and to arouse among the students an interest in French History and Literature. The Society is divided into the Cercle Francais and the Foyer Francais.

The Cerle Francais is composed of such students as show a special proficiency in their French classes. Any student can become a member of the Cercle upon written recommendation of his respective professor of French submitted with the written application of the student to the Executive Committee.

Members of the Cercle can participate in all the activities of the Society except that they cannot hold any offices. Such offices will be held only by members of the Foyer. The Foyer is composed of students who can converse in French quite fluently.

Any member of the Cercle wishing to be admitted to the Foyer will submit an application to the Executive Committee. Such application will be referred to a Committee composed of two French Professors and the President of the Society. Approval by the Committee of the candidate's application will admit to membership in the Foyer.

All discussions in the meetings of the Society will be conducted in French.

The Executive Committee will be elected at the end of every scholastic year for the ensuing year. The head of the French Department or any other member of the Department appointed by him will act as advisor to the Executive Committee in the transaction of all business.

International Relations Club

The International Relations Club provides an outlet for the energies of those students whose interest in current social questions is not fully satisfied in the regular classes. Open forum discussions are held twice each month from October to June. Weekly radio broadcasts are given by members of the Forum.

The Forum is affiliated with the INTERNATIONAL RELATIONS CLUBS of the Carnegie Endowment for International Peace. A special section of the open shelves in the Library affords easy access to the books and pamphlets, gifts of the Endowment, which through the kindness of the Librarian, circulate under regular library rules.

Joint meetings with the Marywood International Relations Club are held periodically.

The University Alumni Association

The University Alumni Association has been organized to foster among its members a spirit of loyalty to their Alma Mater and to perpetuate friendships formed at the University.

Regular meetings and reunions are held from time to time as prescribed in the rules and by-laws of the association.

Athletics

Athletic contests constitute an important extra-curricular activity in the University of Scranton.

Besides governing and promoting intercollegiate competition in athletic games, the association fosters and promotes inter-class competition in all lines of sports.

The Pre-Legal Society

The Pre-Legal Society is an organization composed of those students of the college who are interested in the legal profession.

Its membership is unrestricted but demands the active cooperation of all.

The object of the Pre-Legal Society is to enlighten its members upon problems concerning the legal profession, problems concerning law students, and problems regarding the admission of applicants to law schools.

Meetings are held twice a month, and at each meeting a definite program prepared in advance is presented under the chairmanship of one of the members of the Society.

Outside speakers are brought in from time to time at the meetings to further promote the objectives of the Society.

It is a custom of the Society to prepare and present a Mock Trial before the student body of the University. This Mock Trial is usually presented during the winter season.

THE CIVIC COUNCIL

The Civic Council was organized in 1935 largely through the efforts of Rev. Brother D. Edward, F. S. C., and several students of the University particularly interested in the critical investigation of government.

The membership of the Council is restricted to those students who show adaptability to the study of civic problems.

The object of the Civic Council is to acquaint the students with the civic problems confronting our government.

Meetings are held semi-monthly at which time reports are received on field work assigned to the individual members.

Periodically, various outside speakers are brought in to further familiarize the students with the purposes of the Council.

Annually, several members of the Council are selected to attend the convention of the Intercollegiate Conference on Government which is held at Harrisburg in the spring of each year.

THE DRAMATIC SOCIETY

The Dramatic Society of the University of Scranton has been organized to provide an opportunity for talented students to participate in plays presented at intervals during the school year. Experience in directing, stage craft, and business management is provided for the members. Frequently plays are given for other departments in the University.

The Society has taken membership in the Catholic Theatre Conference.

TRI-SIGMA

In September, 1939, the Chemical Society and the Physics Club, which had been in existence for the previous ten years, were merged into one organization. At the same time the scope was broadened to include the biological sciences, and thus bring together all science students in one general association.

The name selected for this new organization—Tri-Sigma Honorary Science Society—emphasizes the threefold interests of the members and the common bond uniting Physics, Chemistry, and Biology.

The general purpose of Tri-Sigma is to promote interest in the sciences, encourage appreciation of their interrelationships, and stimulate activities that will foster initiative and productive scholarship. Membership is obtained by application to the Executive Committee. Any student who has maintained a "B" average in three semesters of Biology, three semesters of Chemistry, and one semester of Physics is eligible. Students who have failed to meet these standards but who have demonstrated marked scientific aptitude in one or more science subjects may be admitted to associate membership on the recommendation of the faculty advisors of the society.

UNIVERSITY OF SCRANTON STUDENT COUNCIL

First of the extra curricular activities in point of importance, the Student Council is charged with regulating those phases of student life lying outside the academic sphere. Membership is elective, representatives being chosen from each class. Total membership consists of nine students, four of whom are Seniors, three Juniors, and two Sophomores.

The duties of the Council range from supervision of student activities to police work. In between they arrange the social calendar, conduct assemblies, supervise elections, and attend to the numerous details of student government.

Regular weekly meetings are held for the conduct of ordinary business. Monthly meetings with the Presidents of student organizations are held to assist the Council in formulation of general policy.

FORM OF BEQUEST

I give (devise) and bequeath to the University of Scranton, an institution incorporated under the laws of the State of Pennsylvania and located in Scranton, Pennsylvania, and its successors forever the sum of.....dollars (or otherwise describe the gift) for its general corporate purposes (or name a particular corporate purpose).

PRIZES

THE MOST REVEREND MICHAEL J. HOBAN, D.D., PRIZE. A prize founded by the University of Scranton in memory of the Most Reverend Michael J. Hoban, D.D. Awarded to Senior with the highest average for four years.

THE REVEREND THOMAS J. MCHUGH, LL. D. PRIZE. Founded by the Rev. Thomas J. McHugh, LL. D. Awarded annually by competitive examination for excellence in Latin.

THE EDWARD J. LYNETT PRIZE. Founded by Mr. Edward J. Lynett. Awarded annually for the best essay in English.

THE REVEREND JOHN J. GAFFNEY PRIZE. Founded by Reverend John J. Gaffney. Awarded annually by competitive examination for excellence in Religion.

THE RIGHT REVEREND MONSIGNOR MARTIN J. O'CONNOR PRIZE. Founded by Right Reverend Monsignor Martin J. O'Connor. Awarded annually by competitive examination for excellence in Philosophy.

THE OBRANA PRESS PRIZE. Founded by the Obrana Press. Awarded annually by competitive examination for excellence in French.

THE BROTHER FLAMIAN MEMORIAL PRIZE. Founded by Dr. Gordon H. Pritham in memory of Rev. Brother Flamian. Awarded annually by competitive examination for excellence in Chemistry.

THE DR. C. E. THOMSON, JR., PRIZE. Founded in memory of Dr. C. E. Thomson, Jr. Awarded annually by competitive examination for excellence in Biology.

THE MANUS LANGAN PRIZE. Founded by Mr. Manus Langan. Awarded annually by competitive examination for excellence in Sociology.

THE RIGHT REV. MSGR. P. J. BOLAND PRIZE. Founded by Right Rev. Monsignor P. J. Boland. Awarded annually by competitive contest for excellence in Oratory.

THE RICHARD F. MCNICHOLS PRIZE. Founded by Mr. Richard F. McNichols. Awarded annually to a Freshman by competitive contest for excellence in Oratory.

THE ACCOUNTING MEDAL. Founded by C. E. Dobson. Awarded to a senior in the Business Course for excellence in Accounting.

SCHOLARSHIPS

Scholarships are of two kinds—competitive and those awarded upon merit and individual need.

The following scholarships are available:

1. University Scholarships

   Ten scholarships of the annual value of $200 each are awarded on competitive examination. Graduates of approved high schools of Lackawanna County and neighboring counties are eligible for these examinations. Applications for the examinations should be filed not later than April 25 of the year preceding the registration of the candidate. The nine students who rank highest in the competitive standard tests will be awarded these scholarships.

2. The E. J. Lynett, Sr., Scholarships

   Two scholarships of an annual value of $200 each. The President of the University selects students for these scholarships.

3. Purple Club Scholarships

   Eighteen scholarships of a value of $150 each are annually awarded by the Purple Club. The Board of Directors of the Purple Club selects the students to whom these scholarships are awarded.

4. The Striver's Club Scholarships

   Four scholarships of an annual value of $200 each. Awarded by competitive examination to a Hebrew student.

ANNUAL COMMENCEMENT
of the
UNIVERSITY of SCRANTON

JUNE EIGHTH, NINETEEN HUNDRED FORTY-ONE

Temple Auditorium, Scranton, Pennsylvania

HIS EXCELLENCY THE MOST REVEREND
WILLIAM J. HAFEY, D.D.
BISHOP OF SCRANTON
Presiding

PROGRAM

PROCESSIONAL—Triumphant March from the opera "Aida" ..... *Verdi*

OVERTURE—*Suite from the opera* "The Tales of Hofmann" ..... *Offenbach*

ADDRESS.....Reverend Brother C. Edward, F.S.C., M.A.

Suite from the opera "Carmen"..... *Bizet*
Prelude
Aragonaise
Intermezzo
Les Toreadors

GRANTING OF DEGREES

AWARDING OF PRIZES

Aria "Ritorna Vincitor" from the opera "Aida"..... *Verdi*
Soloist: LURA STOVER

CHARGE TO THE GRADUATES
The Most Reverend William J. Hafey, D.D.

ALMA MATER..... The Graduates

RECESSIONAL—March Militaire ..... Schubert

GRADUATES—1941

GRADUATED WITH HIGHEST HONORS

George Edward Luchowski, B.S.

GRADUATED WITH HONORS

Cesare Robert Antoniacci, B.A.
William Guy Evans, Jr., B.S.
John James Meehan, B.A.
Abraham I. Moskovitz, B.A.
Paul William Mundy, B.A.
Jerome Harold Ouslander, B.S.

BACHELOR OF ARTS DEGREE

Francis Angelo Altieri
Cesare Robert Antoniacci
Lester Harold Arnovits
Frank Alexander Baciewicz
*James Patrick Bell
Louis Salvatore Bocchino
Robert O. Bornscheuer
John Michael Bove
Thomas Francis Clark
John Patrick Collins
Gaetano Joseph Comaratta
*John Thomas Comtess
Martin Francis Conaboy
Alexander Sebastian Consagra
Robert Thomas Conway
Henry John Dende
Francis Stephen Dougher
Thomas A. Ferguson
Edward Alphonse Gayewski
Frank James Gerrity
Victor Anthony Giacometti
David Leo Gildea, Jr.
Francis Thomas Gill
James A. Gilmore
*Joseph Leo Golden
*Robert Emmett Grady
Jack Sidney Gorelick
John Joseph Haggerty
George Halenda
Andrew Homanich
James Golden Hopkins
Sylvester Joseph Kazmierski
Harold Wallace Keeney
Robert Francis Killeen
Henry Peter Koruszko
Francis Joseph Kuna
Stanley John Lipski
James Gerard Loughney
*Patrick Joseph McCormick
Thomas Joseph McHale
Joseph Paul Mahoney
Abraham Mandlovitz
Pasquale Joseph Martinelli
John James Meehan
John Linus Meehan
Joseph Patrick Meinzer
John James Mercuri
Eugene Patrick Moran
Louis Joseph Moriano
Abraham I. Moskovitz
Theodore Paul Munchak
Paul William Mundy
Robert John Munley
Paul Aloysius Rafter Notz
Robert Francis Pawling
Theodore Andrew Pawloski
Joseph Edward Picharella
Joseph John Pleviak
Robert Joseph Quigley
John David Roberts, Jr.
Werner Erich Rohde
Salvatore Joseph Russo, Jr.
Edward Adam Shukwit
Canio James Sleyo
Americo G. Solfanelli
*Stanley Joseph Soltysik
*Armand James Spagnuolo
Joseph Anthony Tedesco
Charles Michael Visgaitis
William Anthony Waters
Louis John Yantorn
Frank Alphonse Ziemba

* *Evening School Graduate*

UNIVERSITY OF SCRANTON

BACHELOR OF SCIENCE DEGREE

Major: Physical and Biological Science

Eugene John Agnone
John Robert Boyle
Maurice Louis Bronsky
John Donald Casey
Martin Chomko
Nicholas Ferdinand Conte
Glenn Leon Cook
Albert Francis Cooper
Paul Dereniuk
Earl Joseph Dougher
John William Edler
William Guy Evans, Jr.
Edward Thomas Filipkowski
Frank Xavier Finnerty
Harold Louis Gross
Emil Paul Howanitz
James Aloysius Kane
John Joseph Kelly
Eugene Richard Kennedy
William Paul Martin
Thomas Gerard Murray
Thomas Francis Nealon, Jr.
Stanley Peter Popeck
Charles Henry Rogers
Quentin Anthony Saracino
Joseph George Savulis
Stephen Sorokanich
Douglas Fiske Stimpson
Barney Samuel Svardloff
*Harry Robert Tucker

BACHELOR OF SCIENCE DEGREE

Major: Business

Clement Aloysius Beilman
John Van Rensselaer Clarke
George August Hagen, Jr.
James Timothy Halpin, Jr.
Cyril John Hammonds
James Joseph Knowles, Jr.
*Robert Belknap Lloyd
George Edward Luchowski
Patrick John Lydon
James Anthony McEnrue
Seymour Nogi
Jerome Harold Ouslander
Joseph John Podrasky
Irving I. Sicherman
Robert Francis Thees
Casimir Valentine Yanish

* *Evening School Graduate*

DEGREES CONFERRED AUGUST, 1941

BACHELOR OF ARTS

Charles Martin Duddy
Donald Bonaventure Kearney
Frank William Mulderig

BACHELOR OF SCIENCE

Major: Business

Gerald John Collins

Senior Arts Class

Bonadio, Anthony ..... Scranton
Brady, Thomas ..... Plains
Breslin, Cyril ..... Dunmore
Brown, Thomas ..... Scranton
Carey, Edward ..... Ashley
Cawley, Thomas ..... Pittston
Cimino, Samuel ..... Old Forge
Cippicianni, Joseph ..... Scranton
Coda, Joseph ..... Mayfield
Cohen, Martin ..... Dunmore
Cusick, Eugene ..... Scranton
Dougherty, John ..... Dunmore
Falbo, Bruno ..... Carbondale
Falkie, Anthony ..... Keiser
Foote, Francis ..... Carbondale
Frinsko, Wesley ..... Glen Lyon
Gavigan, John ..... Scranton
Grossman, Seymour ..... Plains
Guarneri, Joseph ..... Carbondale
Guterman, Herman ..... Scranton
Jacobson, Harold ..... Scranton
Kelly, Robert ..... Scranton
Lajewski, Henry ..... Scranton
Lawrence, William ..... Dunmore
Levinson, David ..... Scranton
McCartney, Thomas .. Carbondale
McGrail, John ..... Scranton
McGuire, Joseph ..... Plains
McHale, Joseph .... Clarks Summit
Madden, John ..... Wilkes-Barre
Masloski, Edward ..... Larksville
Matukonis, Victor ..... Plains
Monley, Edward ..... Jessup
Navrocki, William ..... Throop
Penetar, Michael ..... Dunmore
Powell, Christopher ..... Minooka
Power, John ..... Jessup
Reap, Donald ..... Dunmore
Reap, Edward ..... Pittston
Riccetti, Nello ..... Pittston
Rogers, Stanley ..... Eynon
Scariato, Albert F. ..... Old Forge
Serowics, Walter ..... Glen Lyon
Sharek, Chester ..... Old Forge
Spager, Cyril ..... Olyphant
Szumski, John ..... Archbald
Thomas, Joseph ..... Greenwood
Toolan, Paul ..... Carbondale
Vanston, James ..... Scranton
Walsh, John ..... Scranton

Senior Science Class

Casey, Paul ..... Childs
Cerwonka, Edward .. Wilkes-Barre
Cummings, Joseph ..... Scranton
Curtin, Thomas .... Clarks Summit
Gazella, John ..... Olyphant
Hopkins, Robert ..... Pittston
Hyman, Herbert ..... Hudson
Laggner, Harold ..... Archbald
Loftus, Joseph ..... Hudson
Lynott, Matthew ..... Scranton
Manno, Bruno ..... Scranton
Masucci, Elmo ..... Scranton
Moylan, Joseph ..... Scranton
Murphy, John ..... Scranton
Notartomas, Andrew ..... Scranton
Olash, Albert ..... Luzerne
Phillips, William ..... Scranton
Savage, Peter ..... Wilkes-Barre
Smith, Edward ..... Scranton
Smith, Kenneth ..... Nanticoke
Surgala, Michael ..... Clarks Green
Turon, Louis ..... Old Forge
Tyler, Leslie ..... Scranton
Washitz, Irwin ..... Scranton
Yevitz, Michael ..... Scranton
Ziemba, Joseph ..... Glen Lyon

Senior Business Class

Blomain, Thomas ..... Archbald
Bowen, David ..... Dunmore
Butler, James ..... Scranton
Coleman, Eugene ..... Scranton
Cunningham, Ray ..... Scranton
Falik, Irving ..... Jessup
Franceski, Joseph ..... Forest City
Gerrity, Frank ..... Scranton
Gower, Robert ..... Scranton
Kane, Robert ..... Scranton
Kaufman, Sam ..... Scranton
Lehr, John ..... Scranton
Lysiak, Chester ..... W. Wyoming
Mahon, Robert ..... Scranton
Melvin, James ..... Pittston
O'Connell, Raymond .... B'hamton
O'Connell, Timothy ..... Scranton
Philbin, Robert ..... Scranton
Rainey, Harry ..... Scranton
Saville, Wesley ..... Nanticoke
Schwartz, Samuel ..... Plains
Senio, Walter ..... Mayfield
Shedlosky, Anthony ..... Nanticoke

Junior Arts Class

Abda, William ..... Scranton
Barnack, Martin ..... Scranton
Blewitt, Bert ..... Scranton
Bobalko, George ..... Edwardsville
Bosak, Theodore ..... Olyphant
Burik, Theodore ..... Forest City
Conboy, Joseph ..... Chinchilla
Dougherty, James ..... Dunmore
Frey, Reed ..... Lake Ariel
Gallagher, Martin ..... Jessup
Gillespie, Bernard ..... Duryea
Greco, Anthony ..... Old Forge
Gribbin, Edward ..... Shamokin
Hagen, Harold ..... Scranton
Heffers, Leonard ..... W. Wyoming
Kelly, Thomas ..... Scranton
Kennedy, Paul ..... Scranton
Lazaunikas, Joseph ..... Scranton
Lynn, Martin Joseph ..... Scranton
McLaughlin, Edward ..... Olyphant
Malaker, Stephen ..... Blakely
Mando, Theodore ..... Taylor
Moran, Frank ..... Scranton
Munley, John ..... Scranton
O'Neill, Joseph ..... Dunmore
Patrick, Thomas ..... Scranton
Ramont, Nelson ..... Scranton
Reynolds, George ..... Scranton
Rotell, Joseph ..... Carbondale
Setcavage, Francis ..... Mahanoy City
Shendock, George ..... Swoyerville
Snyder, Alonzo ..... Jermyn
Vesnesky, Leonard ..... Dickson City
Wolfe, James ..... Shickshinny
Worth, Harry ..... Wilkes-Barre
Wruble, Harvey ..... Kingston

Junior Science Class

Alfano, Anthony ..... Scranton
Alfano, Martin ..... Scranton
Bailey, Robert ..... Scranton
Chmelewski, A. ..... Wilkes-Barre
Filar, John ..... Nanticoke
Fish, Richard ..... Clarks Summit
Gallagher, Henry ..... Wilkes-Barre
Gazowski, Thomas ..... Edwardsville
Gentile, Anthony ..... Throop
Haggerty, Eugene ..... Scranton
Hennigan, Leo ..... Old Forge
Holleran, Eugene ..... Kingston
Jarosh, Joseph ..... Dickson City
Kane, Frank ..... Dunmore
Kane, William ..... Wilkes-Barre
Kervenski, Joseph ..... Plains
Knowles, Charles ..... W. Pittston
Krisanda, Joseph ..... Jessup
Kujda, Dominic ..... Dickson City
Kulick, George ..... Plymouth
Lonsdorf, Richard ..... Scranton
Marcks, Carl ..... Scranton
Mayock, Francis ..... Wilkes-Barre
Menichello, Albert ..... Old Forge
O'Connor, John ..... Binghamton
Petriello, Joseph ..... Dunmore
Rose, Isadore ..... Plymouth
Rosenberg, Bertram ..... Scranton
Ryan, Paul ..... Scranton
Scicchitano, Albert ..... Shamokin
Ward, Anthony ..... Wilkes-Barre
Willis, Bernard ..... Dunmore
Witkosky, Charles ..... Edwardsville
Wolkoff, Aaron ..... Scranton

Junior Business Class

Agati, Gretano ..... W. Wyoming
Cleary, John ..... Olyphant
Coleman, Lawrence ..... Friendsville
Connolly, James ..... Scranton
Dempsey, James ..... Olyphant
Donovan, Murray ..... Scranton
Ellison, Edward ..... Scranton
Evans, Oliver ..... Scranton
Fischer, Jerome ..... Edwardsville
Gaudenzi, John ..... Scranton
Gill, Robert ..... Carbondale
Huber, Robert ..... Scranton
Kasper, Joseph ..... Wilkes-Barre
Ligi, Angelo ..... Wilkes-Barre
Lonsdorf, Robert ..... Scranton
Lynn, Joseph ..... Scranton
Mahon, Bernard ..... Dunmore
Miller, William ..... Scranton
Mulligan, Joseph ..... Olyphant
Murphy, Harold ..... Dunmore
Murphy, Leo ..... Scranton
Murphy, William ..... Wilkes-Barre
Nesta, Renzo ..... Scranton
Notchick, Thomas ..... Simpson
Powers, Edwin ..... Pittston
Sammon, John ..... Pittston
Smith, Jack ..... Wilkes-Barre
Snyder, John ..... Jermyn
Tempesta, Louis ..... Dunmore
Whalen, Walter ..... Scranton

Sophomore Arts Class

Basista, Michael.....Old Forge
Boandl, Walter .....Allentown
Bobkowski, John.....Wilkes-Barre
Bondy, Herbert..New York, N. Y.
Bosher, Carl.....Wilkes-Barre
Buchla, Edward.....Jessup
Cianni, Elmer.....Old Forge
Clauss, Thomas.....Olyphant
Conniff, Augustine .....Plains
Davis, James Joseph.....Jessup
Dietrich, Walter .....Carbondale
Dohmann, John.....Wilkes-Barre
Eiden, Edmund J.....Scranton
Fabian, John .....Mocanaqua
Ferguson, John.....Scranton
Foote, Raymond.....Carbondale
Gallagher, Robert .....Olyphant
Gastinger, Robert.....Scranton
Genova, Philip .....Scranton
Greeley, Joseph.....Scranton
Green, John .....Honesdale
Hart, Edward.....Dunmore
Houlihan, Michael .....Avoca
Kelleher, Francis.....Vandling
Kelly, Leo .....Scranton
Kelly, Paul.....Scranton
King, Gene .....Scranton
Kollra, Ernest .....Scranton
Kraemer, Francis .....Scranton
Lavelle, Francis.....Scranton
Lenahan, Edward ....Wilkes-Barre
McDermott, Francis.....S. W'port
McDonnell, William..Carbondale
McPeak, John .....Scranton
McTighe, Thomas .....Scranton
Machulaitis, Jerome....Forest City
Mazur, Stanley .....Peckville
Merli, Nicholas.....Peckville
Messoline, Frank..Greenport, L. I.
Murphy, William.....Pittston
Novack, Ernest.....Dickson City
O'Malley, Joseph ....Wilkes-Barre
Padden, Neil .....Wilkes-Barre
Palermo, Joseph.....Dunmore
Pavsek, Edward.....Forest City
Powell, George....Endicott, N. Y.
Rokita, Edmund .....Larksville
Ronky, Robert .....Wilkes-Barre
Rusnok, William.....Dunmore
Sanford, Robert.....Scranton
Sitko, Edward.....Scranton
Southard, Leo.....Scranton
Sullum, Alvin.....Scranton
Szymczak, Thomas.....Hudson
Tarnopolski, Alfred..W. Hazleton
Tosti, Joseph .....Jessup
Ward, Francis.....Scranton
Zapotocki, Henry ....Wilkes-Barre

Sophomore Science Class

Barratti, John .....Scranton
Bartholomay, Henry.....Vandling
Baumann, Carl.....Scranton
Biscontini, Armand.....Old Forge
Boland, James .....Carbondale
Borowski, Edward.....Old Forge
Bucan, Michael.....Wilkes-Barre
Burke, Bernard .....Wilkes-Barre
Busha, George.....Exeter
Caldarelli, Raymond .....Scranton
Carpenter, Robert....Wilkes-Barre
Chupka, William .....Pittston
Conway, Neal.....Scranton
Donovan, Robert .....Scranton
Dubernas, Joseph.....Old Forge
Dubin, Joseph.....Scranton
Durkin, John.....Scranton
Evans, Joseph .....Kingston
Gaffney, John .....Throop
Giblin, Paul.....Scranton
Jasuta, Albert.....Greenwood
Jones, Harold.....Clarks Green
Kirshner, Charles ....Wilkes-Barre
Klein, Arthur .....Scranton
Krzywicki, Walter .....Plains
Langan, James.....Scranton
Legenza, Edward.....Throop
Lussy, William .....Scranton
Lydon, Joseph .....Minooka
McDonnell, Richard.....Dunmore
McNulty, Joseph.....Scranton
Mack, John .....Dickson City
Morano, Anthony.....Olyphant
Munchak, Eugene.....Scranton
Murtha, James.....Scranton
Mussari, Ralph.....Carbondale
Rossi, Richard.....Scranton
Savaro, Emilio.....Scranton
Sommer, Nat.....Minooka
Vogrin, Felix.....Scranton
Walsh, Frank .....Scranton
Witkowski, Francis.....Scranton
Yavorek, Henry.....Eynon
Zukoski, Joseph .....Moosic

Sophomore Business Class

Artabane, Joseph ..... Scranton
Bradley, James ..... Scranton
Buckley, Charles ..... Scranton
Cawley, Joseph ..... Dunmore
Cuff, Joseph ..... Scranton
Davis, John ..... Scranton
Donohue, John ..... Scranton
FitzHenry, John ..... Scranton
Gownley, Hugh ..... Scranton
Houlihan, Daniel ..... Olyphant
Itzkowitz, Harold ..... Scranton
Jones, Norman ..... Scranton
Juckett, Lawrence ..... Carbondale
Kelleher, William ..... Scranton
Killian, Joseph ..... Scranton
Kopicki, Edward ..... Kingston
McCague, John ..... Dupont
McGrail, Joseph ..... Scranton
Mihalski, Stanley ..... Luzerne
Murray, William ..... Scranton
Netter, Carl ..... W. Pittston
Oram, Sidney ..... Scranton
Paone, Donald ..... Archbald
Ryder, Robert ..... Scranton
Stahler, Leonard ..... Scranton

Freshman Arts Class

Alperin, Irwin ..... Scranton
Ausura, Joseph ..... Wilkes-Barre
Bach, Harold ..... Shickshinny
Billy, George ..... Nanticoke
Barnett, Irving ..... Scranton
Brutico, Angelo ..... Old Forge
Callahan, Eugene ..... Cl. Summit
Chundak, Joseph ..... Taylor
Ciccotelli, Salvatore ..... Dunmore
Cmiel, John ..... Plymouth
Cottone, Paul ..... Scranton
Coyle, Edward ..... Scranton
Duffy, Frank ..... Duryea
Flynn, Thomas ..... Scranton
Gaudenzi, Frank ..... Scranton
Gerrity, Edward ..... Dunmore
Gorman, D. ... New Rochelle, N. Y.
Graham, James ..... Scranton
Haines, Donald ..... Scranton
Hanichak, Cyril ..... Sturges
Hart, John ..... Mayfield
Hosfeld, Hobart ..... Clarks Summit
Houston, William ..... Scranton
Judge, James ..... Pittston
Kaplan, Steve ..... Windber
Kearney, Frank ..... Dunmore
Kirias, Harry ..... Scranton
Koda, Chester ..... Throop
Kranson, Saul ..... Wilkes-Barre
Kubasko, Joseph ..... Olyphant
Kurlowicz, Edward ..... Shenandoah
Langan, Joseph ..... Pittston
Law, Joseph ..... Towanda
Lukash, Francis ..... Exeter
McCloskey, Jack ..... Jessup
McCloskey, William ..... Jessup
Michaels, James ..... Scranton
Munley, Anthony ..... Sugar Notch
Nealon, Thomas ..... Dalton
Rebasti, Louis ..... Brooklyn
Ross, Elwin ..... Clarks Summit
Roth, Robert ..... Scranton
Royko, Joseph ..... B'hamton, N. Y.
Ruddy, David ..... Scranton
Ruland, Byrl ..... Clarks Green
Sebastiani, Angelo ..... Eynon
Sirotnak, Joseph ..... Throop
Sobeski, Joseph ..... Pittston
Solomon, William ..... Eynon
Stetzar, Christy ..... Scranton
Taraskiewicz, John ..... Dickson City
Urban, Joseph ..... Duryea
Violanti, Anthony ..... Archbald
Volpicelli, Louis ..... Scranton
Wargo, John ..... Glen Lyon
Webb, Linwood ..... Long Is., N. Y.
Werner, Donald ..... Scranton
Wheeler, William ..... Olyphant
Wynne, Paul ..... Dunmore
Zacharellis, William ..... Scranton
Zimmer, John ..... Jamaica, N. Y.

Freshman Science Class

Adair, Ted ..... Scranton
Alexander, Arthur ..... Clarks Green
Benio, Edward ..... Dickson City
Berardis, Velio ..... Scranton
Betress, Michael ..... Scranton
Borick, Paul ..... Olyphant
Burke, John ..... Olphant
Buselli, Alio ..... Scranton
Calvey, John ..... Clarks Summit
Carroll, Frank ..... Scranton

Chelland, Michael.....Old Forge
Cherney, Paul.....Forest City
Cleary, Joseph.....Dunmore
Creedon, Frank .....Moosic
Davies, William .....Scranton
Demyan, Alex .....Wilkes-Barre
Driebe, William .....Scranton
Dutchman, William....Forest City
Evans, Milton .....Taylor
Fitzgerald, Robert .....Olyphant
Gallagher, James.....Olyphant
Geneczko, John.....Dupont
Gilligan, John .....Dunmore
Holland, Thomas .....Avoca
Hughes, John.....Scranton
James, Robert Emerson.....Taylor
Janosczyk, Edmund .....Nanticoke
Kaczinski, Charles.....Plains
Kardos, Joseph .....Taylor
Kearns, Frank.....Moscow
Kilcullen, Joseph .....Scranton
Kipp, Joseph.....Wilkes-Barre
Kirshner, Norman.....Plains
Koslosky, Thomas .....Scranton
Krayer, Frank .....Scranton
Laster, Emil.....Peckville
McHale, William.....Carbondale
Malamud, Harvey.....Dunmore
Mann, William.....Scranton
Marr, William.....Wilkes-Barre
November, Walter.....Scranton
O'Brien, Joseph.....Pittston
O'Dea, Daniel.....Scranton
Ostrowski, Kasmer..W. Wyoming
Rounds, Earl.....Scranton
Sainberg, Monroe .....Carbondale
Schneider, Gerald .....Scranton
Shivy, Stephen.....Swoyerville
Smith, Robert.....Clarks Summit
Stampien, Stanley.....Old Forge
Swift, Frank.....Dunmore
Taren, L. Eugene.....Scranton
Walker, Thomas.....Olyphant
Walsh, Francis .....Scranton
Weis, John.....Scranton
Wheeler, Clarence .....Olyphant
Wilson, Wilbur.....Mayfield
Yanul, Albert .....Scranton

Freshman Business Class

Camarca, William.....Scranton
Cohen, Jerome .....Scranton
Creedon, Joseph.....Scranton
Dougherty, John.....Nanticoke
Fuhrman, Stewart .....Carbondale
Garvey, James.....Scranton
Gaughan, Gerald .....Scranton
Gelso, Samuel.....Pittston
Germano, Domnick .....Dunmore
Gerrity, Francis.....Scranton
Gibbons, John.....Scranton
Greene, Harold.....Scranton
Kauffman, Joseph.....Scranton
Leonard, Leo.....Scranton
Lennon, William....Clifton, N. J.
Lomma, Nick .....Scranton
McAndrew, Thomas .....Dupont
McHale, Thomas .....Scranton
O'Boyle, Francis.....Scranton
O'Boyle, William.....Scranton
O'Connell, William.....Scranton
Paradise, Leon .....Moosic
Pyne, Thomas.....Pittston
Renard, Robert.....Clarks Summit
Rothstein, Sheldon.....Scranton
Savo, Frank.....Olyphant
Smith, J. Merle.....Wilkes-Barre
Schroeder, Robert..Clarks Green
Stoller, Murray .....Olyphant
Talarico, Eugene.....Old Forge
Tannler, Eugene.....Scranton
Taylor, Robert .....Dunmore
Williams, Charles.....Scranton

Evening School

Acculto, Frank.....Dunmore
Townsend, Ace.....Dunmore
Acker, Holda .....Scranton
Akens, James .....Moosic
Ale, Fred .....Scranton
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Ball, William.....Dunmore
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Chiorazzi, Carl ..... Scranton
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Cippicianni, Joseph ..... Scranton
Civiletti, Vincent ..... Scranton
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Cleary, John..... Olyphant
Clunan, Joseph..... Scranton
Colandro, Anthony.. ..... Mayfield
Collins, Joseph ..... Scranton
Conboy, Joseph ..... Chinchilla
Connolly, Catherine ..... Scranton
Connolly, Gerald..... Scranton
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Cooke, Harold..... Dunmore
Coombs, Eliza..... Taylor
Coombs, Ruth..... Taylor
Cotellis, Eleanor..... Scranton
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Creagh, William ..... Ashley
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Doble, Albert ..... Scranton
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Duffy, John ..... Scranton
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Durkin, Joseph..... Olyphant
Evans, Arja ..... Scranton
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Falkie, Anthony ..... Keiser
Farrell, Matthew..... Scranton
Fearick, Eleanor ..... Pittston
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Fleming, Ruth..... Pittston
Friedman, Alfred ..... Jermyn
Gallagher, Alice..... Scranton
Gavin, Andrew ..... Carbondale
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Gerrity, Thomas..... Pittston
Gerosky, Frank ..... Pittston
Giacometti, Victor..... Old Forge
Gilbride, Clement..... ....Scranton
Gilleran, Thomas..... Scranton
Gillespie, John..... Olyphant
Gilroy, Paul..... Scranton
Golembiewski, Steven .... Dickson
Goldman, George ..... Dunmore
Gunther, Rush B..... Blakely
Gutoski, Amelia ..... Duryea
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Halpin, Gerald.....Scranton
Harrington, Helen.....Scranton
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Healy, Frank.....Carbondale
Healey, Joseph P.....Avoca
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Houlihan, Joseph.....Olyphant
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Jenkins, John T.....Scranton
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Kaminsky, Victor.....Scranton
Kane, Robert.....Wilkes-Barre
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Kelly, Paul.....Plains
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Kelley, Roland.....Wilkes-Barre
Kennedy, John.....Pittston
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Kilcullen, Helen.....Scranton
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Kraemer, Alice.....Scranton
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Langan, Marie.....Taylor
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Lombardi, Alfred.....Lake Ariel
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Lyons, Catherine.....Scranton
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McCracken, Edward.....Jessup
McDade, Catherine.....Dunmore
McDonnell, El'nor..Scr. St. Hosp.
McDonnell, James F...Carbondale
McDonough, Mary.....Carbondale
McGrath, John J.....Scranton
McGuire, Edward J.....Forty Fort
Mansuy, Paul.....Scranton
Marciano, Leonard.....Scranton
Mark, Lillian.....Old Forge
Markoe, Betty.....Olyphant
Martens, Jane.....Moscow
Martin, Ruth.....Waymart
Mattei, Martin.....Pittston
Mecca, Dominick.....Dunmore
Mechler, Frank.....Scranton
Medred, Dorothy.....Scranton
Meincke, Arthur.....Scranton
Mellow, Anthony.....Archbald
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Moritz, Dorothy.....Scranton
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Munley, Jack.....Jessup
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Nicholas, Thomas.....Scranton
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Noone, Walter.....Scranton
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O'Connell, James T.....Plymouth
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Sirotnak, Stephen ..... Throop
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Smith, Helen ..... Scranton
Smith, Robert ..... Clarks Summit
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Snyder, Wyland ..... Jermyn
Solensky, Margaret ..... Scranton
Soya, Walter ..... Mayfield
Spott, Madeline ..... Scranton
Stahler, Albert ..... Scranton
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Stecco, John ..... Throop
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Swartz, Walter ..... Dunmore
Swift, Catherine ..... Jessup
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Traher, Ralph ..... Wilkes-Barre
Valeski, Victoria ..... Carbondale
VanSickle, Alfred ..... Scranton
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Westcott, Jean ..... Moscow
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Wilson, George ..... Scranton
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Wilson, Warren ..... Jermyn
Wisniewski, Carl ..... Dickson City
Wroblewski, Bernard ..... Scranton
Yaney, Peter ..... Scranton
Zarecki, Charles ..... Duryea

Summer School

Adonizio, Philip ..... Pittston
Andruscavage, Frank ..... Duryea
Barrett, Mary ..... Scranton
Bast, Leonard ..... Hazleton
Belcastro, Anthony ..... Old Forge
Bennett, Adele ..... Wilkes-Barre
Bocchino, Joseph ..... Scranton
Boland, Frank ..... Scranton
Brecht, Clifton ..... Scranton
Brown, Thomas ..... Scranton
Burke, Bernard ..... Wilkes-Barre
Carey, Edward ..... Ashley
Carter, Royce ..... Scranton
Chomko, Stephen ..... Scranton
Cimakasky, John ..... Avoca
Cimino, Sammy ..... Old Forge
Civiletti, Vincent ..... Scranton
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Conlon, Virginia ..... Scranton
Connors, Frances ..... Pittston
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Corby, June ..... Scranton
Creagh, William ..... Ashley
Davies, William ..... Dunmore
Darlak, Walter ..... Dickson City
Donahue, James ..... Scranton
Donato, Sam ..... Dunmore
Dougherty, James ..... Dunmore
Dubernas, Joseph ..... Old Forge
Duffy, Charles ..... Wilkes-Barre
Eilts, Herman ..... Scranton
Evans, Arja ..... Scranton
Fetterman, Ulysses ..... Scranton

Gambal, Vera.....Old Forge
Gates, Elizabeth .....Scranton
Gerosky, Frank .....Pittston
Gerrity, Frank X.....Scranton
Gilboy, Lourdes .....Scranton
Gillespie, Bernard.....Duryea
Golden, Earl.....Carbondale
Goldstone, Joseph..Dickson City
Gradolini, Eugene .....Scranton
Harding, Trevor.. .....Kingston
Hart, Edward.....Dunmore
Hadad, Ruth .....Scranton
Hart, Jeanne.....Mayfield
Heffers, Leonard.....W. Wyoming
Humphries, William .....Scranton
Hvasta, Margaret .....Scranton
Jenkins, Anne .....Scranton
Jenkins, M. Evelyn.....Scranton
Jones, Harold.....Clarks Green
Jones, Sarah.....Scranton
Kearney, Donald .....Scranton
Kelleher, William.....Scranton
Kelly, Leo .....Scranton
Kelly, Thomas.....Scranton
Kennedy, Mrs. Julia....Honesdale
Koban, George .....Dupont
Spager, Cyril .....Olyphant
Kluick, George.....Plymouth
Langan, Eugene .....Scranton
Langan, James.....Scranton
Lawler, Anne .....Pittston
Lazaunikas, Joseph.....Scranton
LeKarz, Edward, Jr.....Scranton
Lenahan, Edward....Wilkess-Barre
Lombardi, Nicholas .....Dunmore
Lonsco, Victoria.....Brooklyn
McCloskey, William .....Scranton
McCulloch, Alan..Clarks Summit
McGrath, Mollie.....Scranton
McMenamin, Elizabeth ..Scranton
Mattei, Martin.....Pittston
Mundy, Harold.....Scranton
Murtha, James.....Scranton
Mushinsky, Joseph.....Scranton
Neary, Joseph.....Avoca
Niland, Kennedy .....Scranton
Niland, Powell .....Scranton
O'Boyle, Robert .....Scranton
O'Dea, Daniel.....Scranton
O'Dea, Richard .....Dalton
O'Hora, Robert .....Dunmore
Parker, John .....Honesdale
Powers, Edwin.....Pittston
Price, Richard.....Scranton
Reese, Arthur .....Scranton
Reilly, James .....Scranton
Richmond, Edward .....Nicholson
Romanoski, Gilbert .....Plymouth
Ross, Elwin.....Clarks Summit
Ryan, Paul .....Scranton
Sabbatini, Olga.....Scranton
Savaro, Emilio.....Scranton
Saville, Wesley.....Scranton
Smith, Claire .....Carbondale
Smith, Edward .....Scranton
Strauch, Arnold .....Scranton
Stone, Barto .....Scranton
Sweetser, Dorothy .....Scranton
Szymczak, Thomas.....Hudson
Valentine, Frank.....New Milford
Vrabbel, Marie.....Duryea
Vanston, James.....Scranton
Walsh, Patrick .....Scranton
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